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ABSTRACT

As one of the components of the Project ACTIVE (All Children Totally Involved Exercising) Teacher Training Model Kit, the manual is designed to enable the educator to organize, conduct, and evaluate individualized-personalized programs for children (kindergarten through high school) with communication disorders. An introductory chapter covers definitions and student and teacher behavioral objectives. Chapter II provides descriptions of the general problems manafested by children with communication disorders, suggested guidelines for the teacher, and a description of informal instruments used to assess individual student progress. A systematic procedure for assessing student progress is explained in Chapter III. Outlined, in Chapter IV are suggestions and student learning experiences for visually handicapped, hard of hearing or deaf, and aphasic children. Chapter V focuses on the evaluation of student progress at the end of a specific block of time so that a decision can be made regarding subsequent programing. A final chapter includes sections which describe activities addressed to the following motor and physical factors: gross body coordination, balance and postural orientation, eye-hand coordination and accuracy, eye-foot accuracy, arm and shoulder strength, abdominal strength, explosive leg power, and cardiorespiratory endurance. Appended are such materials as a guide to the evaluation of posture and body alignment and a list of supply and equipment needs. (SBH)

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COMMUNICATION DISORDERS

An Individualized Program.

Thomas M. Vodola, Ed.D.

Project Director

Project ACTIVE: All Children Totally InVolved Exercising

Project Number: 72-341, Title III-IV(G), ESEA

MEMO FROM THE COMMISSIONER

"On behalf of the Department of Education, State of New Jersey, I wish to bring Project ACTIVE to the attention of educators throughout the nation. The program has made a significant contribution to both physical and special education in New Jersey and thus will be of interest to both educators and parents."

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PREFACE

The development of the Project ACTIVE manual, Adapted Physical Education: Communication Disorders was a cooperative effort of the Township of Ocean School District and the Office of Program Development, Division of Research, Planning, and Evaluation, Department of Education, State of New Jersey. The manual provides a sound basis for individualizing a physical education program for students who evidence communication problems.

In 1975, the Project ACTIVE manual, Adapted Physical Education: Communication Disorders was validated by the standards and guidelines of the United States Office of Education as successful, cost-effective and exportable. As a result, the program is now funded through the New Jersey Elementary and Secondary Act, Title III program to offer interested educators the training and materials required for its replication. This manual was prepared as part of the program's dissemination effort.

The purpose of Title III-IV(C) is to encourage the development and dissemination of innovative programs which offer imaginative solutions to educational problems. Project ACTIVE achieved this purpose by disseminating its innovative program to 500 teachers and paraprofessionals through 24 regional workshops. Further, as of June 1975, 76 school districts and agencies in the State of New Jersey have adopted or adapted some aspect of the individualized physical education program in accordance with the educational needs of their districts — involving more than 10,000 individuals.

This manual has been prepared as one of the components of the Project ACTIVE Teacher Training Model Kit. Other component parts of the model kit which are available to those who are interested in adopting or adapting the projects individualized personalized instructional concept are cited below:

• Developmental Physical Education:

• Developmental Physical Education:

• Adapted Physical Education:

Adapted Physical Education:

 Developmental and Adapted Physical Education:

Ådapted Physical Education:

Adapted Physical Education:

-Teacher, Training Filmstrip:

Motor Ability Filmstrip:

Low Motor Ability

Low Physical Vitality

Postural Abnormalities

Nutritional Deficiencies

A Competency-Based Teaching

Training Program

Motor Disabilities or Limitations

Breathing Problems

A Competency Based Approach

An Individualized-Personalized Approach

These manuals have been validated for national dissemination and may be purchased from the project director.

Adapted Physical Education is defined as that aspect of the physical education program which addresses itself to the provision of enrichment of physical activities for those students who manifest medically-oriented phoblems.



_ iii

Districts interested in establishing individualized physical education programs for the handicapped need assistance. The following dissemination-diffusion services are provided to aid implementing schools during the initial phases of program installation:

- Teachar Training Workshops
- Individual Pubil Time Prescriptions
- Certificates of Merit for Pupil Achievement and/or Improvement
- Monthly Issue of the ACTIVE Newsletter
- Test Instruments to Assess Pupil Performance
- Development of School Norms
- Other General Consultant Service

For additional information regarding the Model Kit, other awareness materials, or available services, the reader is requested to contact:

Dr. Thomas M. Vodola, Director Project ACTIVE Township of Ocean School District Dow Avenue Oakhurst, New Jersey 07755

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The mainual, Adapted Physical Education: Communication Disorders is based on the Developmental and Adapted (D&A) Program developed by the Project Director in the Township of Ocean School District, Oakhurst, N.J.

Appreciation is expressed to the Township of Ocean Board of Education, Superintendent of Schools, the D&A Council, teachers, and parents for their total commitment to the program. Special appreciation is accorded to the Township of Grean Physical Education Department for their unstinting support and effort.

To Prentice-Hall, Inc., a vote of thanks for granting the Project Director permission to include materials from his text, Individualized Physical Education Program for the Handicapped Child.

Sincere appreciation is also accorded to the Advisory Council members who assisted in the reviewing and editing process: Mr. Sal Abitanta, Consultant, New Jersey State Department of Education, Dr. David Bilowit, Professor, Kean College of New Jersey, Mrs. Edwina M. Crystal; School Psychologist, Township of Ocean School District, Mr. Al Daniel, Coordinator, Developmental Physical Education, Cherry Hill School District, Dr. George Gerstle, Assistant Professor, Glassboro State College, Mr. Paul Porado, Program Director, Office of Special Services, N.J. Department of Education, and Dr. Marion Rogers* Professor, Glassboro State College, Also special thanks to the New Jersey Chapter of the American Academy of Pediatrics; Dr. Raymond Weiss, Professor, Department of Health, Physical Education and Recreation, New York University; and Dr. Julian U. Stein, Director, Program for the Handcapped, American Association of Health, Physical Education and Recreation, Washington, D.C.

Mrs. Jean Harmer, Mrs. Mary Kesperis, Mrs. Dorothy Smith, and Mrs. Ellen Kearney, gratitude and appreciation for their painstaking devotion to the development of the intermediate "product."

Grateful appreciation is expressed to the New Jersey State Department of Education and the Title III staff members for their continued assistance and support. To Dr. Lillian White-Stevens, a deep debt of gratitude for her editing expertise.

Special thanks are extended to the Project ACTIVE cadre team, for the many hours they devoted to assist in the restructuring of the final product. The synthesizing team consisted of: Mrs. F. June Graf, Livingston School District; Mr. Robert Fraser, Wayne Township Public Schools; Mr. Robert Ekblom, Madison Township Public Schools, Mr. Thomas Cicalese, Morris Hills Regional District; Mr. Tim Sullivan, Montclair State College; Mr. G. "Buzz" Buzzelli, Monmouth College; Mr. Roy Lipoti, New Lisbon State School, Garden State School District; Mr. Edward Korzun, Orange Public School System; Mr. Thomas Pagano, Township of Ocean School District; Mr. Lawrence A. Guarino, New School District; Mr. Al Daniel, Cherry, Hill School District; and Dr. David Bilowit, Kean College of New Jersey. Credit for the art work is accorded to Mr. Athan Anest, Wall Township School District.

*Retired as of July, 1973.

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To the many authors and publishers who permitted the use of their materials in the manual, sincere appreciation.

Finally, to Emil Praksta** a representative of the South Jersey Educational Improvement Center, the co-director of this project and a personal friend, my sincere appreciation for his constant stimulation, support, and critical review of all materials.

A final note: Although the aforementioned "team" made many constructive suggestions which were included in the manual, I accept full responsibility for the final product, and any criticisms thereof, because all final decisions were a reflection of my personal philosophy.

Thomas M., Vodola, Ed.D. Title III, Project Director

**Recently decease

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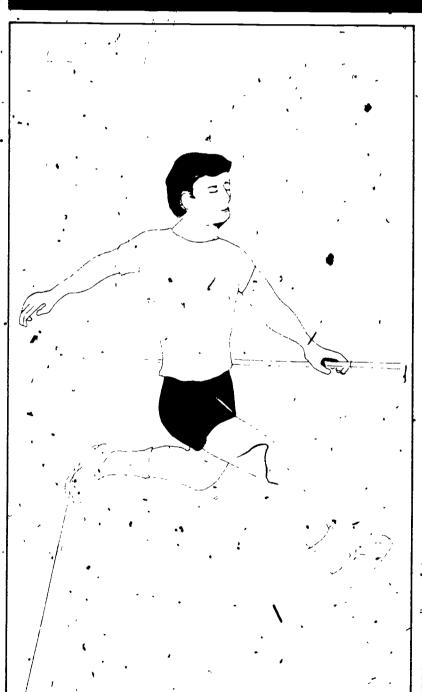
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INTRODUCTION





CHAPTER ONE

INTRODUCTION

OVERVIEW

Adapted Physical Education: Communication Disorders has been developed to serve two purposes:

- 1. To provide a manual for training physical educators, special educators, recreation teachers and paraprofessionals so they can achieve the minimal competencies necessary to implement an individualized physical activity program for students in grades K-12.
- 2. To provide practitioners in the field with a structured procedure for individualizing and personalizing a physical activity program for students who manifest communication problems.

During 1974-75, several research studies were conducted to compare the relative effects of individualized physical education and traditional physical education programming on students who evidenced a variety of handicapping conditions. Subjects were matched on the basis of age, sex, pre-test scores, and handicapping condition and placed in an experimental group (individualized adapted physical education involvement), and a control group (traditional physical education and/or classroom activities). The post-test data revealed the individualized program as superior to traditional physical education. Based on these findings; the program was validated according to the standards and guidelines of the United States Office of Education as innovative, successful, cost-effective, and exportable.

The manual provides the teacher with a sequential approach to initiating an individualized and personalized physical activity program. This chapter contains a definition of terms and criterion-referenced objectives which provide a basis for evaluating student and teacher performance. Subsequent chapters detail the individualized process via the acronym TAPE, i.e., test, assess, prescribe, and evaluate. A detailed description of the step by-step procedures necessary for program implementation, is presented in the flow chart and activity checklist in Appendix A.

DEFINITIONS

Since this manual provides an *individualized-per-sonalized* physical education program for children with *communication disorders*, definitions of the three terms are warranted.

Individualized Instruction

Diagnosis and prescription are the basic ingredients necessary for the provision of individualized instruction

Frank Hayden Physical Fitness for the Mentally Retarded, p.9

The strategies involved include, formal and informal testing, formative and summative assessment, prescription; and evaluation.

Personalized Instruction

Personalized instruction deals with the humanistic aspects of the teaching learning process. It stresses not only the development of teacher-pupil and pupil-pupil rapport but also the enhancement of the chird's self-concept.

Communication Disorders

Communication disorders may be defined as physical handicaps which impede the functioning of one or more of the special senses. Under this classification fall the deaf, the hard of hearing, the blind, the partially sighted, the autistic, and those with various speech impediments. 2

STUDENT BEHAVIORAL OBJECTIVES³

- The student demonstrates an improvement in physical fitness and motor ability (K-12). Evaluative criteria
- ²Thomas M. Vodola, Individualized Physical Education Program for the Handicapped Child, p. 81.
- ³Appendix B provides a sample copy of the certificate awarded to children who attain their program goals.



10% improvement in those test items he can perform. (Student performance is assessed by the teacher.)

- The partially sighted or bind student demonstrates improved posture (K-12). Evaluative criteria: analysis of pre- and post-posture screening test results 10% improvement. (Student performance is assessed by the teacher.)
- 3. The blind student demonstrates an increased kinesthetic awareness of total body position in executing a task grades 4-12). (Student performance is assessed by the teacher.)
- 4. The blind student demonstrates an increased kinesthetic awareness of the proper arm position necessary to propel an object accurately (grades K-12). Evaluative criteria: 10% improvement in target throwing test based on pre- and post-test score comparison. (Student performance is assessed by the teacher.)
- 5. The hard-of-hearing or deaf student with balance problems, but, no significant semi-circular canal dsyfunction, demonstrates improved balance (K-12) Evaluative-criteria, 10% improvement in balance beam performance based on pre- and post-test scores on tapered balance beam (i.e., distance walked and length of time balance is maintained).
- 6. The autistic child demonstrates socialization, awareness and the ability to perform tasks and activities as directed (K-12). Evaluative criteria: initiation, or increase in time, of play with other children, allows physical contact with adults or other children; and actively makes contact with others, e.g., holds hands during activity.
- 7. The aphasic student displays both a desire to participate, and an improvement in physical activities (K-12). Evaluative criteria: increased time spent in the activities during involvement in the D&A Program, and improved performance in activities as evidenced by pre-
- 8. The student evidence a desire to participate in physical activity modified according to his needs (grades K-12). Evaluative criteria: increased student participation in the activities after school and evidence of personal satisfaction. (Student performance is assessed by the teacher.)

TEACHER SEHAVIORAL OBJECTIVES2

The teacher:

1. Devises tests and assesses the peripheral vision and

D&A refers to the Developmental and Adapted Physical Education Program which is designed to provide an individualized physical activity program for children with any of a variety of handicapping conditions.

Appendix C provides a sample copy of the certificate awarded to Project &CTIVE trainees who achieve 80% of the course competencies

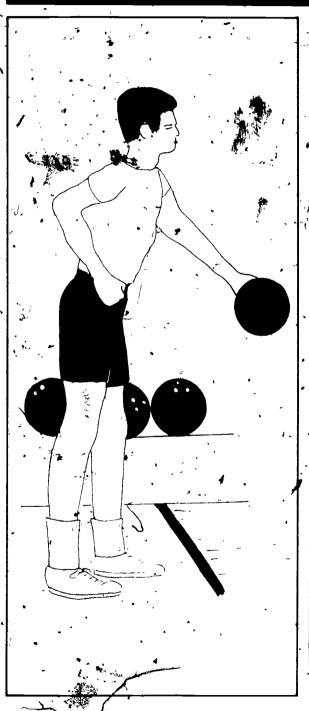
- depth perception of a partially-sighted students Evaluative criteria: materials to be distributed in class.
- Demonstrates and teaches two tasks and activities to enhance peripheral vision and depth perception.
 Evaluative criteria: Tasks and activities that enhance "span" of vision and assessment of different distances.
- Devises a test to assess a blind student's awareness of his body in a static position. Evaluative criteria: measurement of body part in a requested position; determination of degree of error from norm.
- 4. Demonstrates and teaches one task or activity to enhance the kinesthetic "feel" of an arm, leg and/or the total body in a movement pattern. Evaluative criteria: use of sensory feedback to aid the subject in developing the kinesthetic awareness of his body in a movement pattern.



Fig. 1-1 Trainee Practicum Experience
(Teacher Training Program, Silver City, New Mexico)

- 5. Modifies and teaches one game for children manifesting each of the following disabilities: the blind and partially sighted; the deaf and hard-of-hearing; the breathing disabled; and those with motor disabilities or limitations. Evaluation the size of the
- 6. Demonstrates profigiency in the administration of the tapered balance beauty test. Evaluative criteria: testing materials distributed in class.
- Demonstrates three techniques which may enhance the awareness — socialization functioning of the autistic and aphasic student. Evaluative criteria: techniques to be demonstrated and explained in class.

TEST PROCEDURES A P E





CHAPTER TWO

TEST PROCEDURES

A P E

The prime responsibility for the classification of, and prescription for, students with communication disorders is vested in the family or school physician, or other appropriate medical personnel. However, once the student has been so classified and referred for program involvement, the physical educator can be of invaluable assistance by utilizing informal test instruments which indicate pupil progress.

Chapter II provides descriptions of the general problems manifested by children with communication disorders; suggested guidelines for the teacher; and a description of informal instruments used to assess individual pupil progress.

GENERAL PROBLEMS AND SUGGESTED GUIDELINES

Partially-sighted and Blind

student with visual accurry of 20/200 or less in the better eye is considered legally blind. The figure 20/200 means that the student's vision at 20 feet from the object is the same as normal vision at 200 feet.

A student's classified as partially-sighted if he or she can perceit movement, light, and form. The partially-sighted have a visual acuity between 20/70 and 20/200 in the better ye after correction. Within this category are also those students with some restricted peripheral vision (tunnel vision).

Blind or partially-sighted students tend to display faulty body mechanics, body control, static balance, co-ordination, and a general inability to perform motor tasks. Many of the problems result from overprotection, with limited opportunities to make about and explore the environment. Consequently, some blind students are very tense; walk rigidly with their heads titted backward; take short, faltering steps; and may exhibit other characteristics of poor posture.

The placement of the visually handicapped child in a physical education or activity program depends upon the nature of the child's problem(s), the type of program, and the physical prironment provided. A visually handicapped student with very poor mobility, poor coordination, or a very low intelligence may derive more benefit from the D&A program. Some partially-sighted may be placed in a regular class; others with manifest characteristics of blind children, or apprehensions because of poor vision, will benefit from a special program.

The blind student must be provided with an individualized prescriptive program which, to meet his specific needs, should focus on those types of activities will improve the above-mentioned problems.

Hard-of-hearing and Deaf

Persons with hearing impairments are classified as either hard-of-hearing or deaf. The hard-of-hearing can hear either with or without a hearing aid enough speech to learn how to speak; the deaf cannot hear enough to comprehend the spoken word.

Students with hearing problems usually fall into two categories: congenital, indicating the hard-of-hearing or deafness was present at birth; or, acquired loss, indicating the hard-of-hearing or deafness resulted from disease, accident, or injury.



Deaf students can learn speech and lip reading at the elementary school level. The teacher must remember to face the deaf student when speaking to enable him to lip-read. The hard-of-hearing students can be taught to speak either by the visual tactile method or by use of a hearing aid. In some cases, the hearing device may not be practical for constant use if amplification results in confusing distortion of sound.

It should be noted that for these students a major avenue of communication is eliminated or severely impeded. When the impairment is congenital, the normal acquisition of language is arrested and subsequently the thinking processes may be affected. Further, the students tend to feel isolated and dependent.

The student with peripheral deafness may manifest a balance problem due to reduced functioning of the semi-circular canals. The instructor should limit climbing and apparatus work. The balance problem may be corrected wholly or to some degree by surgery and medication. Care should also be exercised when the students are exposed to low temperature, excessive wind and water. For such circumstances, it is recommended they wear proper clothing and ear plugs.

Àutistic

Autistic children cannot be categorized as having hearing dysfunctions, even though they manifest auditory problems. Predominantly a problem of males, autism is usually exhibited at birth, or during the early childhood years. Some symptoms associated with autism may be: feeding problems; constant crying or absence of crying, fear of strangers, repetitive motion such as rocking or spinning; sleeping problems, difficulties in toilet training, and unusual or no speech patterns. (Refer to Wing and Dewey² for more detailed information regarding the behaviors, characteristics and problems of the autistic child.)

The autistic child can learn and would benefit from involvement in a D&A program. However, progress may be slow or at a standstill for months at a time and will require extreme patience and constant individual attention by the teacher.

The autistic child, usually non-communicative, should be scheduled in the D&A program primarily, because he needs individualized attention. He tends to mainfest some of the following behavior patterns and characteristics:

- 1. A facial countenance devoid of emotions.
- 2. Periodic or complete detachment from the world of reality.
- 3. Resistance to perform many requested tasks.

- 4. Preference for isolationism: he will avoid groups and physical contact and often prefers to work or play alone.
- 5. Inappropriate emotional reactions.



Fig. 2-1 Preference for Isolation , (Courtesy of the Search Day Program, Ocean, New Jersey)

Appasic

The aphasic child will have communication problems, such as expressive (thability to say what he wants to) or receptive (inability to understand spoken speech). It is, therefore, necessary to augment all directions, no matter how simple, by demonstration. Then test by having the child do what is required to be sure it is correctly understood.

FORMAL AND INFORMAL TEST INSTRUMENTS

. The appraisal procedures recommended include the administration of.

- 1. The Township of Ocean Physical Fitness Test (norm-referenced)
- 2. The Township of Ocean Physical Fitness Test (criterion on referenced)

³Special thanks to Mr. Ken Appenzeller, Director of the Search Day School for Autistic Students, the Board of Directors, Ms. Jane Boyle (photographer), and the parents for providing, and granting permission to include the pictures of their children on the coverand section dividers of this manual.

¹Lorna Wing, Children Apart, Autistic Children and Their Families, 31 pp.

²Margaret A. Dewey, Recreation for Autistic and Emotionally Disturbed Children, 18 pp.

- 3. The Township of Ocean Motor Ability Test (norm-referenced)
- 4. The Township of Ocean Motor Ability Test (criterion-referenced)
- 5. The New York Posture Test
- 6. The Modified Iowa Posture Test²
- 7. The Kinesthetic Target-Throwing Test
- 8. The Pictorial Self-Concept Test (grades K-3)³ A Picture Choice (grades K-1),⁴ Q-Sorting Self-Appraisal (grades 4-8),⁵ or Wear Attitude Inventory⁶

TEST INSTRUMENTS AND PROCEDURES⁷

Physical Fitness Norm-referenced

Have the student perform as many of the test items as possible (while cognizant of the safety factor).

Test directions, physical fitness.

Test Item No. 1: Static arm hang
Factor Arm and Shoulder Strength

After demonstration, the subject is assisted to the starting position (with arms flexed and chin above bar). The ubject is not allowed to touch any part of his head to the bar, to kick, struggle, or move his body. Palms are, face away from the body. Special efforts are to be made to keep the subject in the starting position, especially as they begin to tire. The score recorded is the number of seconds from the signal "go" (starting position), until the arms are "locked" completely straight (finished position).

New York State Physical Fitness Test, pp 13-15

²M, Gladys-Spott and Esther French, Measurement and Evaluation in Physical Solution

Arigelo S Bolea, Donald W Felker and Margaret D Barnes, "A Pretorial Self-Concept Scale for Children in K-4" Journal of Educational Measurement, VIII, No. 3, (Fall, 1971) pp. 223-224

Attitude Toward School, Grades K-12, Revised Edition (Los Angeles, Calif Instructional Objectives Exchange, 1972), pp 48-61

⁵The Behavioral Q-Sort As A Diagnostic Tool," Roger Kroth, in Academic Therapy, Vol. 8, No. 3, Spring, 1973; pp. 317-330

6C.L. Wear, "Construction of Equivalent Forms of An Attitude Scale," Research Quarterly, XXV (1955), pp. 113-119

The instruments presented will have to be modified in accordance with the types of handicapping condition encountered it may be that some items must be deleted or modified to some extent, e.g., having a blind child run the 200 yard dash with a "buddy," or alongside a guideline. However, once modified, the instrument will aid the teacher in assessing individual needs and performance.

Attempts: 1

Scoring: Total suspension time in seconds

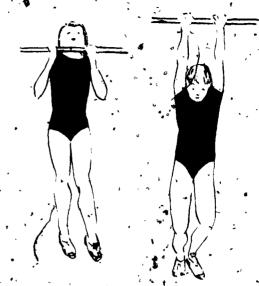


Fig. 2-2 Static Arm Hang

Test Item No. 2: Modified sit-ups (curl-ups)
Factor: Abdominal Strength

After demonstration, the subject assumes a supine position on a mat, with aims straight and palms resting on the thighs. On the command "go," the subject raises his head and shoulders and slides his hands forward until he touches the upper edges of his kneecaps; he, then, immediately returns to the supine position. To increase reliability and objectivity, the instructor places his hand across the child's kneecaps and counts as the child touches his arm.

The subject is not permitted to "bounce" up, raise hands off legs, or rest between curl-ups (stress a steady rhythm). The score recorded is the number of times the student touches the extended arm properly. Repeat the count when performing incorrectly.

Attempts: 1

Scoring: Total correct curl-ups



Fig. 2-3 Modified Sit-Ups



Test Item No. 3: Standing Good jump Factor: Explosive Leg Power

After demonstration, the subject stands with his toes behind the take-off line, his feet several inches apart. He is to jump as far forward as possible. Before jumping, he bends his knees and swings his arms forward. No restrictions are placed on his arm movements. However, the student is informed the jump will not count if he falls backward. The score recorded is the best jump of three attempts, measured and recorded in total inches. Measurements are taken from the back of the take-off line to the back of the heel nearest the take-off line. The scorer should stand to the side of the subject to observe the exact point of contact of the rear heel

Attempts: 3

Scoring Best distance recorded in inches

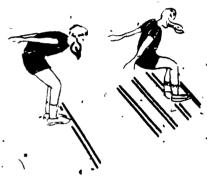


Fig. 2-4 Standing Broad Jump

Test Item No. 4:

.200 Yard run, 8-minute run, 12-minute run

Factor: Cardiorespiratory Endurance

a. 200 Yard run, ages 6-11 (grades 1-6)

After demonstration of the sprint start, the subjects are requested to assume the starting position with fingertips behind the starting line. Commands are "take your mark," "get set," and "go". The instructor should start the time when the subject "moves" rather than on the command, "go". Encourage the students to run at full speed beyond the finish line. If, a student does not run as fast as he can, do not record his score, as the time will be invalid. For consistency, run the 200 yard dash in a straight line (preferably on turf). Gym shoes or shoes may be worn, stockings or bare feet are not permitted.

Attempts 1 or more, if necessary Scoring Time in seconds



Fig. 2-5 200 Yard Run

b. 8-Minute run, ages 12-13 (grades 7-8)

(1) Sub-divide the 440 yard track into eight equal sections 55 yards each section. (2) Place a flag marker at each section, e.g., "1," "2," "3," etc. (3)" Pair" all students as "1's" and "2's," prior to testing. (4) On command have all of the "1's" (half the class) run for an 8-minute period. The No. 2's are to keep a record of the distance covered by their partners. (5) At the termination of the 8-minute period, the instructor blows the whistle, terminating the run. The No. 2's report their partner's scores to the recorder, e.g., 3.6 would indicate three complete laps, plus

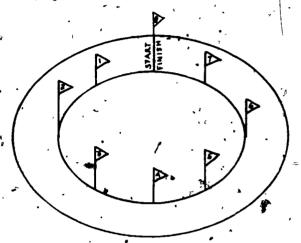


Fig. 2-6 8-Minute Run

the passing of six markers. (Table 2-1 provided reliable means for converting laps to yards and miles.) (6). Reverse the procedure and have the No. 2's run and the No. 1's act as recorders.

Attempts: 1

Scoring Total laps, plus flags passed in 8 minutes

test directions as for the 8-minute run except that the students continue running for a 12-minute period.

Attempts: 1 Scoring: Total laps, plus flags passed in 12 minutes

Test scoring. The punship of Ocean Physical Fitness Test Form (Table 2-1) presents items that measure: arm and shoulder strength; abdominal strength; explosive leg power; and cardiorespiratory endurance. The student's raw score in each area; plus anecdotal remarks describing how the task is performed, should be recorded in the appropriate "raw score" column. (Three "raw score" columns have been provided for the recording of test scores administered at periodic intervals.)

The raw scores will later be converted into percentile scores, stanine scores, and a PFI score so that a student's performance can be appraised in terms of his or her age and sex. These procedures will be explained in Chapter III — Assessment Procedures.

TABLE 2-1

PHYSICAL-FITNESS TEST FORM (Courtesy of the Township of Ocean School District)

NAME	, Jane Doe	AGE 6	INSTRUCTOR	Mrs. P. Galatro
SCHOOL	Ocean Township School	MALE :	FEMALE	~ · · x
GRADE'	8 ' HEIGHT 5' 4"	WEIGHT 135		
STARTED	PROGRAM: DateSeptember	75)	,
COMPLET	TED PROGRAM. Date	<u>• </u>	SOMATO	TYPE Endo-Mesomorph

•	۷	RAW SCORE			PI	STANINE				
TEST,ITEM	FACTOR	Test 1	Test 2	Test 3	Test 1	Test 2	Test 3	Test 1	Test 2	Test 3
Static Arm Hang	Árm Strength	24 set.	sec.	sec.	60			5	,	
Modified Sit-Ups	Abdominal Strength	30.		•	20			4		·
Standing Broad Jump	* Leg Strength	53 ·	ū	۱D	4.		,	2	·	
200 Yard ¹ Dash	■ Endurance	sec	sec	- sec		*	** **	- ;		
8-Minute ² Run	Endurance	16		_	1	, .	2	.1	- ,	
12-Minute3 Run	Endurance					,		® ,	,	
	Number of Tests			,		-		Ť	otal Poin	ts
TOTALS	. 4						* 0	42		

PF1 = Total Stanines x 10

Number of Tests Anecdotal Remarks $\frac{12 \times 10}{4} = 30 \text{ PFI Score}$

Supports body weight primarily with the right arm. Favors the right side of the body when performing modified sit-ups.

Percentile Intervals	Stanines		
97 and above 90-96	9 . 8		Very High
80-89 65-79	7 6		High ,
35-64	5	7	, Average
20-34 10-19	. 4		Low
4-9 3- and below	2	•	Very Low

Administered to students, ages eleven and below

ERIC Full Text Provided by ERIC

.18.

²Administered to students ages twelve and thirteen.

³Administered to students ages fourteen and above

Physical Fitness, Criterion-referenced

This instrument is applicable for those students who have difficulty with comprehension.

Test directions.

TABLE 2-2

BASIC PHYSICAL FITNESS TEST FORM

Name:	• •	pol:	Sex:	
Age: IQ: Men	tal Age:Class	Total Score:_	ř	
Test Item #1:	Factor: Arm and	Procedure	Tes	No.
Static Arm Hang 0 — Makes no attempt to grasp bar 1 — Hanging position, assisted 2 — Assumes correct hanging position (umain of 5 seconds 4 — Assumes hanging position (unain of 5 seconds)	ion nassisted for a mini-	Bent arm hang, with overhand grasp. Suspension time is the number of seconds from the signal "go" (starting position) until the arms are "locked" completely straight.		
Test Item #2: Modified Sit-Ups	Factor: Abdominal Strength	Procedure 5	;	
 0 — Makes no attempt to rise to a 1 — Rises to a sit-up position, whe 2 — Raises head off the mat unassi 3 — Raises head and shoulders off 4 — Raises body and touches fine to kneecaps 	n assisted sted the mat unassisted	Supine position on a mat, with arms straight and palms resting on the thighs.		
Test Item #3: Standing Broad Jump	Factor: Explosive	Procedure		٠ ـ ـ
 0 - Makes no attempt to jump 1 - Hops or leaps rather than jung 2 - Jumps in uncoordinated fast and knee flexion 3 - Coordinates arm swing with jung 4 - Bends knees and swings arms jump and lands with knees flexion 	ion (without arm swing a imp forwardin unison with	Toes behind the take-off line. Measurements are taken from the back of the take-off line to the back of the heel nearest the take-off line.		
Test Item #4: Running	Factor: Cardio- respiratory Endurance	. Procedure		
 0 - Makes no attempt to run 1 - Runs only when assisted 2 - Runs and stops in an irregular 3 - Runs the predetermined dismanner 4 - Responds on command and distance with proper form 	stance in an awkward	Runs a predetermined distance, upon command		
Maximum Score 1	6 points	Total Score		
Prescriptive Remarks	-			



19.

Test scoring. The instrument provides the teacher with an objective means of identifying specific student behaviors. It also serves the function of assessing pupil performance gains. Score each student on the basis of 0-4 points for each factor and record the total score at the bottom. If all items are performed correctly, a student can achieve a maximum of 16 points.

Motor Ability, Norm-referenced 1

Have the student perform as many of the test items as possible (while being cognizant of the safety factor).

Test directions. The tester should observe student performance carefully and record anecdotal remarks for all failures so that an individualized program can be prescribed. 2

Gross Body Coordination

Test Item No. 1. Walk_

Factor Gross Body Coordination,

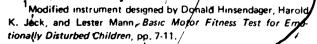
Subject must walk at least fifteen feet in a smooth manner Bilateral coordination of opposite arm and leg is required, i.e., left arm—right foot and right arm—left foot, plus subjective evaluation of gross body coordination. Attempts 2 Scoring Maximum—2 points



Fig. 2.7 Walk

Test Item No 2 Creep Factor Gross Body Coordination

Bilateral coordination of opposite hand and knee is required, i.e., left hand-right kneed must come forward at the same time and right hand-left kneed must come forward at the same time. Subject must creep (hands and knees) at least ten feet (5 x 10 mat) to pass



²Before administering the Motor Ability Test to a child with a medically-oriented problem, be sure you have a medical release form signed by the parent and family or school physician, plus prescriptive activities from the physician.



Fig. 2-8 Creep

. Test Item No. 3. Climb-stairs
Factor. Gross Body Coordination

Subject must climb at least four consecutive steps (twelve inches high) by using alternate footwork. Both feet must not come together on a step, but rather one foot on one step and the next step with the other foot, no support may be given. (Corridor stairs may be used.)

Attempts. 2 Scoring Maximum-2 points



Fig. 2-9 Climb-Stairs



Fig. 2-10 Skip

Test Item No 4 Skip:

Factor: Gross Body Coordination

Subject must skip at least ten feet in a smooth manner (without extra hops) One practice attempt shall be permitted

Attempts: 2 Scoring Maximum-2 points



q

Test Item No. 5: March-in-place Factor: Gross Body Coordination

To pass, the subject must keep in cadence with the tester who claps cadence of one clap per second (15 seconds) for the first attempt and two claps per second (15 seconds) for the second attempt.

Attempts: 2 Scoring: Maximum-2 points

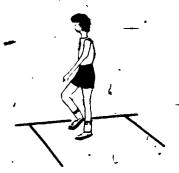


Fig. 2-11 March-In-Place

Subject's score on gross body coordination is the number of successful accomplishments in ten attempts. All of the grpss body coordination skills should evidence total body coordination for a passing attempt.

Maximum total points—Gross Body Coordination—10 points

BALANCE AND POSTURAL ORIENTATION

Test Item No 1 Stand—both feet
Factor Balance and Postural Orientation

Subject must stand with feet together, arms extended forward from shoulders at a 90 degree angle and eyes closed for fifteen seconds. An unsuccessful attempt is recorded if the subject shifts his feet, or moves arms 15 degrees from the 90 degree position.

Attempts. 3 Scoring Maximum-3 points



Fig. 2-12 Stand-Both Feet

Test Item No 2. Stand right foot

Factor: Balance and Postural Orientation.

Subject must stand on right foot with left foot off the floor and not touch any stable object for fifteen seconds (eyes open). Unsuccessful attempt if subject shifts right foot or touches left foot to right leg, foot, floor, or any other supporting structure before the elapse of fifteen seconds.

Attempts: 3 Scoring: Maximum-3 points



Fig. 2-13 Stand—Right Foot

Test Item No. 3. Stand-left foot Factor. Balance and Postural Orientation

Same directions as for test item number 2 except feet are reversed.

Attempts: 3 Scoring: Maximum-3 points



Fig. 2:14 Stand-Left Foot

Test Item No. 4: Jump-one foot leading Factor: Balance and Postural Orientation

Subject must jump off eighteen inch high step or bench with one foot in front of the other. No support is allowed and balance must be maintained on landing (no shift of feet). The tester should have the subject jump and land in an area immediately adjacent to the bench.

Attempts. 3 Scoring: Maximum-3 points



Fig. 2-15 Jump - One Foot Leading

Test Item No 5 Jump—both feet simultaneously Factor: Balance and Postural Orientation

Same procedure as test item number 4 except feet are

side by side

Attempts: 3 Scoring. Maximum-3 points



Fig. 2-16 Jump - Both Feet Simultaneously

Test Item No 6 Stationary jump—both feet Factor Balance and Postural Orientation

Subject must jump on both feet for at least three jumps without stopping, losing balance, using a support, or stepping on, or out of an 18" square.

Attempts. 3 Scoring Maximum-3 points



Fig. 2-17 Stationary Jump - Both Feet

Test Item No. 7: Stationary hop left foot Factor: Balance and Postural Orientation

Subject must hop on left foot for at least three hops without stopping, losing balance, using a support, or stepping on, or out of an 18" square.

Attempts: 3 Scoring: Maximum-3 points %



Fig. 2-18 Stationary Hop - Left Foot

Test Item No. 8: Stationary hop-right foot Factor: Balance and Postural Orientation

Same procedure as test item number 7 except the subject hops on right foot.

Attempts: 3 Scoring: Maximum-3 points



Fig. 2-19 Stationary Hop - Right Foot

Subject's composite score on Balance and Postural Orientation is the number of successful accomplishments in twenty four attempts.

Maximum total points—Balance and Postural Orientation—24 points

EYE-HAND COORDINATION

Test Item No´1 Catch

Factor Eye and Hand Coordination

To pass, the subject must catch a whiffleball (the circumference of a softball) using only his hands. Juggling the ball, having it strike any part of the body, other than the hands, or dropping the ball, constitutes a failure. The

toss must be'from a distance of eight feet and thrown in a soft, underhand manner. The trajectory should be such that it does not rise higher than the subject's head and reaches the receiver at chest level.

Attempts: 3 Scoring: Maximum-3 points



Fig. 2-20 Catch

Test Item No. 2. Ball bounce and catch Factor: Eye and Hand Coordination

The student must drop or push an eight inch diameter utility ball to the ground and catch it on the rebound immediately, no intervening bounces are permitted. Juggling the ball, having it strike by part of the body (other than the hands), or a drop, constitutes a failure.

Attempts: 3 Scoring: Maximum-3 points

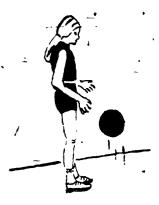


Fig. 2-21 Ball Bounce and Catch

Test Item No 3: Touch ball swinging laterally Factor: Eye and Hand Coordination

With dominant hand on shoulder (palm down, index finger extended and hand motionless), the subject on command "touch" must touch laterally swinging whiffleball (softball circumference) with the index finger on the side of the ball. The inflictor holds the whiffleball suspended on an 18" cord at mid-chest level and proceeds to

swing the ball laterally. Commands are issued: (1) when the ball is at full arm extension across the midline; (2) when the ball is at the midline; and (3) when the ball is at full arm extension on the dominant side of the midline. An unsuccessful attempt is recorded if the subject delays response, touches the ball with other than the index finger, misses, or moves his head.

Attempts: 3 Scoring: Maximum-3 points

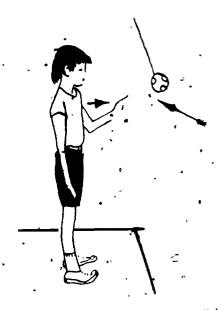
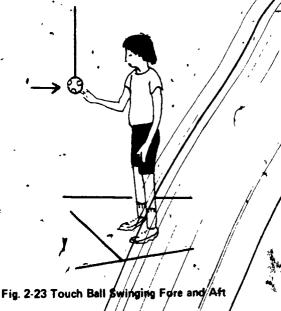


Fig. 2-22 Touch Ball Swinging Laterally

Test Item No. 4: Touch ball swinging fore and aft Factor. Eye and Hand Coordination

With dominant hand on hip (palm up, index finger extended and head motionless), the subject on command "touch" must touch fore and aft swinging whiffleball (softball circumference) with index finger on the under surface of the ball. The instructor holds the whiffleball



suspended on an 18" cord at midchest level and issues commands: (1) when the ball is at full arm extension; (2) when the ball is at midpoint; and (3) when the ball is closest to the subject. An unsuccessful attempt is recorded if the subject delays response, touches the ball with other than the index finger, misses, or moves his head Attempts: 3 Scoring: Maximum-3 points

Test Item No. 5. Bat ball with hand Factor: Eye and Hand Coordination

Same procedure as test item number 4 except the subject bats the ball with an open hand held in readiness between the waist and shoulder. An unsuccessful attempt is recorded if some part of the hand does not touch some part of the ball.

Attempts: 3 Scoring. Maximum-3 points

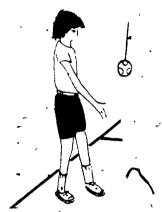


Fig. 2-24 Bat Ball with Hand

Test Item No 6 Bat ball with bat Factor. Eye and Hand Coordination

Same procedure as test item number 4 except the subject bats the ball with a plastic whiffleball bat which is held in readiness between the waist and the shoulder. An unsuccessful attempt is recorded if some part of the bat does not touch some part of the ball.

Attempts: 3 Scoring. Maximum-3 points



Fig. 2-25 Bat Ball with Bat

Maximum total points—Eye and Hand Coordination—18 points

EYE AND HAND ACCURACY

Test Item No. 1: Throw-right hand Factor: Eye and Hand Accuracy

The subject throws a whiffleball (softball circumference) at a modified version of the Johnson Target Test. (See illustration below). The subject may use either an overhand or underhand throwing motion, minimum throwing distance—ten feet. The ball must hit target without previously touching the floor for a circumstatempt. Scoring: 3 points, inner rectangle and line, 2 points, middle rectangle and line; 1 point, outer rectangle and line.

Attempts: 3 Scoring: Maximum-9 points

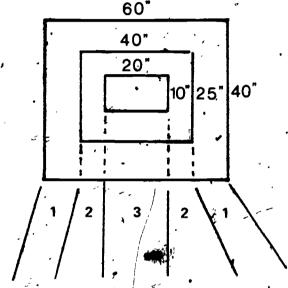
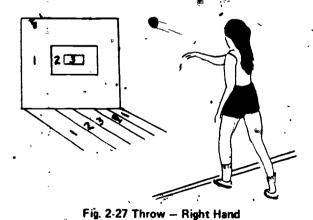


Fig. 2-26 Johnson Target Test



Test Item No 2: Throw-left hand

Factor: Eye and Hand Accuracy

Same procedure as testaitem number 1 except that



¹L William Johnson, "Objective Test in Basketball for High School Boys"

subject throws with the left hand.

Attempts: 3 Scoring. Maximum-9 points

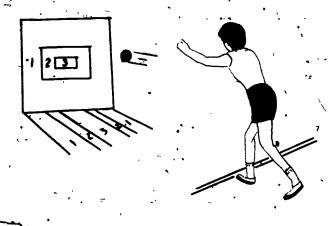


Fig. 2-28 Throw - Left Hand

Maximum total points—Eye and Hand Accuracy—18 points

EYE AND FOOT ACCURACY

Test Item No 1: Kick-right foot Factor: Eye and Foot Accuracy

Same procedure as test item number 1 above except the subject kicks stationary volley ball at the target with his right foot and the ball may touch the floor prior to contacting the target.

Attempts. 3 Scoring. Maximum-9 points

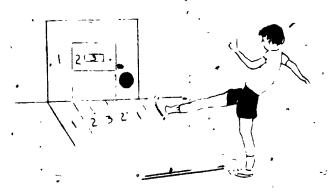


Fig. 2-29 Kick - Right Foot

Test Item No. 2: Kick-left foot Factor: Eye and Foot Accuracy

Same procedure as test item number 1 except the subject kicks stationary volleyball with his left foot.

Attempts: 3 Scoring: Maximum-9 points

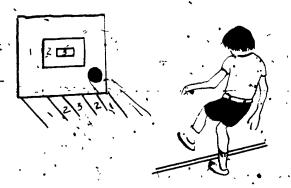


Fig. 2-30 Kick - Left Foot

Subject's composite score on eye and foot accuracy is the total number of points scored in six attempts

Maximum total points-Eye and Foot Accuracy-18

Maximum Grand Total-88 points

Test scoring. The Motor Ability Test Form presents items clustered in terms of the following factors: gross body coordination; balance and postural orientation; eyehand coordination; eye-hand accuracy; and eye-foot accuracy. The student's raw-secres in each area (for the number of attempts indicated), plus the anecdotal remarks describing how the tasks are performed, should be recorded. Each trial in gross body coordination, balance and postural orientation, and eye-hand coordination is recorded on the score sheet in the trial column with a plus (+) to indicate success and a zero (0) to indicate failure. The total number of pluses will be the raw score. In the areas of eye-hand accuracy and eye-foot accuracy, the target sopres for each trial (or a zero if the target is missed completely) are each entered as a trial score (example 2-0-1). A total for the accuracy task is then recorded in the raw score column. Sub-totals for each component area and a grand total for all raw scores are computed on the score sheet. If a student completes all attempts successfully, he will compile a grand total, of 88 points.

The raw scores will later be converted into percentiles and stanine scores for the purpose of computing the Motor Ability Index (MA1). These processes will be described in class.

Table 2-3 provides the Motor Ability Test Form with hypothetical scores so that the reader can review the scoring procedure.

TABLE 2-3 MOTOR ABILITY TEST FORM¹

NAME Doe	John	4 . 6	1			Northe	east 🕌 🧍		M	ŕ
Last	Fırst	Age	Grade			Scho	ol	- s	ex	
HAND NESS: R X	•				FÓO	≠EDN	ESS R_	×_	L	_
CLASSROOM TEACHER	Mrs Smith	•	`	,			, , –			-
	,	,	. '			0	`			
WEIGHT									•	
	۲,	•								
HEIGHT 48"							<u> </u>			
		`		PRE	-TES	ST	, _	POS	T-T	EST
TEST ITEM	-ATT	FACTOR MEASURE		RS	%	S	TRIALS	RS	%.	S
1 Walk	2	Gross-Body Coord	++1 77	2				T	'	
2 Creep	2	Gross Body Coord	+0	1	1	\				
3 Climb stairs	' 2	Gross Body Coord	4+	2 -]	-		4		€
4 Skip	2	Gross Body Coord •	. +0	11	1				.	
5 March-in-place a 4,	2	Gross Body Coord	+0	. 1	1			١.		
TOTAL (Maximum-10 Points)		•	00+	7	20	-4				í
1 Stand-both feet (15 sec)	3	Bal-Post Orient	. 0+0	h 1			•			
2 Stand-right foot (15 sec)	3	Bal-Post, Orient	+00	1 '					-	
3 Stand-left foot (15 sec) "	3	Bal-Post Orient ,	-00+	1	1					1
4 Jump-one foot leading	3	Bal-Post Orient	0++	2				. '		
5 Jump~both feet simultaneously	3	Bal-Post Qrient	0+0	- 1	1.			[
6 Jump-both feet	. 3	~ Bal-Post Orient	+00	1		1 -]		
7 Hop-right foot	3	Bal-Post Orient	, 00+	1	4			,		
& Hop-left foot	3	Bal-Post Ørient.	00+	1					-	
TOTAL (Maximum-24 Points)		•		9	10	3			Π	
1 Catch	3	Eye-hand Coord	, 0++	2				1	1 1	
2 Balt-bounce and catch	3	Eye-hand Coord.	· +0+	2			, ·.]]	
3 Touch ball swg. laterally	3-	Eye-hand Coord	+++	3	1	1	:			1.
4 Touch ball swg fore/aft	3	Eye-hand Coord	+++	3	1		,		1 1	1
5 Bat ball with hand	3	Eye-band Coord	· 0++	2		-				,
6 Bat ball with bat	= 3	Eye-hand Coord,	0+0	1				-	1 1	
TOTAL (Maximum-18 Points)				13	50	5				_
1 Throw-right hand	3	Eye-hand Accuracy	033	6						
2 Throw-left hand	3	Eye-hand Accuracy	111' -	3		1		1	ŀ	•
TOTAL-Maximum-18 Points)	T .	-		9	80	7		<u> </u>	† †	
1 Kick-right foot	3 [Eye-foot Accuracy	021	3	<u> </u>	+ -		t	1 1	
2 Kick-left foot	3	Eye-foot Accuracy	200	2	•					٠.
TOTAL (Maximum-18 Points)				5	50	5		 	╅┈┪	-
GRAND TOTAL (Stanine Points)			- .	+ •	—	24		<u> </u>	† †	
Entries To The Total Manager	 		- - 1	<u> </u>		1 1	1	Ь——	<u> </u>	

ANECDOTAL RÉMARKS Difficulty with bilateral movements. Balancing problem may be attributable to inability to align parts in accordance with principles of center of gravity. Feafful of height Eye-foot accuracy needs work.

Symbols

RS = raw score

% = percentile score

6 = Stanine score

+ = passed

Q = failed

D.R Hilsendager, H.K. Jack and Lester Mann Basic Motor Fitness Test for Emotionally Disturbed and Mentally Handicapped Children Permission to publish granted.



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Motor Ability, Criterion-referenced

The instrument is appropriate for students who have difficulty comprehending the test directions provided in. the previous motor ability instrument./

BASIC MOTOR ABILITY SCREENING TEŠT^{1,2}

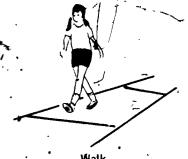
GROSS BODY COORDINATION

Test Item No. 1: Walk

Factor: Gross Body Coordination

- 0 Makes no attempt to walk
- 1 Walks with assistance
- 2 Walks with an irregular bilateral parent
- 3 Walks with proper bilateral pattern for less than 15
- Walks with proper bilateral pattern for 15 or hore

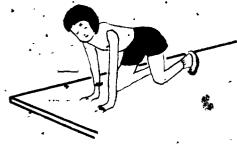
Correct bilateral pattern: left arm-right foot and right arm-left foot.



Test Item No. 2. Creep

Factor: Gross Body Coordination

- 0 Makes no attempt to creep
- 1 Will creep when physically assisted
- 2 Creeps with an irregular bilateral pattern
- 3 Creeps alternating hands and knees for less than 10 • feet
- Creeps properly for 10 or more feet



Format patterned after the Basic Movement Performance Pro file designed by H.F. Fait, Special Physical Education: Adapted, Corrective, Developmental, pp. 208-210.

Test Item No. 3: Climb-stairs

Factor: Gross Body Coordination

- 0 Makes no attempt to walk up stairs
- Walks up one step and down with assistance
- 2 Walks up and down 4 steps with assistance
- 3 Walks up and down 4 steps; two feet on each step
- Walks up and down 4 steps; alternating one foot on



Climb Stairs

Test Item 1 Skip

Factor: Grandody Coordination

0 — Makis no attempt to skip

- Steps From left to right foot or right to left foot
- Hops on left or right foot
- Combines stepping and hopping in an irregular
- Skips at léast 0 feet in a smooth manner



Test Item No. 5: March-in-Place

Factor: Gross Body Coordination .

- 0 Makes no attempt to march in-place
- 1 Marches-in-place if physically assisted
- 2 Marches in an irregular pattern
- 3 .- Marches in a rhythmical pattern; 15 steps in 15
- Marches in a rhythmical pattern; 30 steps in 15 seconds

Note: The tester sets the cadence by clapping temp per second (15 seconds) and 2 claps per second (15 conds)

Maximum Total Points - Gross Body Coordination - 20 points



March In-Place



Stand-Right Foot

BALANCE AND POSTURAL ORIENTATION

Test Item No. 1: Stand-both feet Factor: Balance Postural Orientation

- Makes no attempt to assume the standing position
- Assumes the standing position, but will not extend the arms forward from the shoulders at a 90 degree and/or keep his eyes closed
- Assumes the correct standing position (arms extended and eyes closed) when assisted
- Assumes the correct standing position, but shifts his feet or moves his arms 15 degrees from the 90 degree position prior to the elapse of 15 seconds
- Assumes the correct standing position for 15 seconds



Stand-Both Feet

Test Item No. 2: Stand-right foot Factor: Balance-Posturăț Orientation

- Makes no attempt to assume the standing position on right foot
- Assumes the standing position incorrectly, i.e., does not raise the left foot
- 2 Assumes the correct standing position (weight on right foot, eyes open) when assisted
- Assumes the correct standing position, but shifts right foot or touches left foot to right leg, foot, floor or any other supporting structure, prior to the elapse of 15 seconds
- Assumes the correct standing position for 15 seconds

Test Item No. 3: Stand-left foot Factor Balange Postural Orientation

- Makes no attempt to assume standing position on left foot
- Assumes the standing position incorrectly, i.e., does not raise the right foot
- Assumes the correct standing position (weight on left foot, eyes open) when assisted
- 3 Assumes the correct standing position, but shifts left foot or touches right foot to left leg, foot, floor or any other supporting structure before time lapse of 15 seconds
- Assumes the correct standing position seconds:



Stand-Left Foot

·Test Item No. 4: Jump-land feet staggered

Factor: Balance-Postural Orientation

- Makes no attempt to jump off 18" high step or
- Steps down from step or bench with assistance
- Jumps with two-foot take-off and lands with assistance
- Jumps with two-foot take-off, but lands incorrectly, i.e., does not land with feet staggered or loses balance
- Jumps with two-foot take-off and lands correctly



jamp−One Foot Leading

Test Item No. 5: Jump-land feet parallel actor :- Balance - Postural Orientation

- 0 Makes no attempt to jump off 18" high step or
- 1 -/ Steps down from step or bench with assistance
- 2 Jumps with two-foot take-off and lands with assist-
- 3 Jumps with two-foot take-eff, but lands incorrectly, i.e., does not land with feet parallel or loses ..
- Jumps with two-foot take-off and lands correctly



Jump-Both Feet Simultaneously

Test Item No. 6: Stationary jump-both feet Factor. Balance-Postural Orientation

- 0 Makes no attempt, to jump
- .- Jumps and lands with assistance.
- Hops and lands with one-foot take-off



Stationary Jump-Both Feet

- 3 Jumps with two-foot take-off, lands without stopping, loses balance, uses a support, or steps on, or out of an 18" square
- 4 Performs the jumping task correctly

Test Item No. 7: Stationary hop-left foot Factor: Balance-Postural Offentation

- 0 Makes no attempt to hop
- 1 Hops with assistance
- Hops irregularly, i.e., intermixes hops, jumps and leaps
- 3 Hops on left foot incorrectly, i.e., does not hop 3 times without stopping, loses balance, uses a support, or steps on, or out of an 18" square
- Performs the hopping task correctly



Stationary Hop-Left Foot

Test Item No. 8: Stationary hop-right foot Factor: Balance-Postural Orientation

- Makes no attempt to hop

- Hops with assistance
- Hops irregularly, i.e., intermixes hops, jumps and
- 3 Hops on right foot incorrectly, i.e., does not hop 3 times without stopping, loses balance, uses a support, or steps on, or out of an 18" square
- 4 Performs the hopping task correctly

Maximum, Total Points — Balance-Postural Orientation — 32 points



Stationary Hop-Right-Foot

EYE-HAND COORDINATION

Test Item No. 1: Catch

Factor: Eye-Hand Coordination

- Makes no attempt to catch a whiffleball (softball circumference)
- 1 Keeps eyes on the ball momentarily, but does not make contact with hands
- 2 Keeps eyes on the ball, contacts it with hands, but does not catch the ball
- 3 Catches the ball incorrectly, i.e., juggles the ball, or supports the ball with any other part of the body other than the hands
- 4 Performs the task correctly (3 correct catches)

Note: The toss must be from a distance of 8 feet and thrown in a soft underhand manner. The trajectory should be such that it does not rise higher than the subject's head and reaches the receiver at chest level.



Test Item No. 2: Ball bounce and catch Factor: Eye-Hand Coordination

- Makes no attempt to bounce and catch a playground ball (8" diameter)
- 1 Bounces the ball, but does not make contact with hands



Ball Bounce and Catch

- Bounces ball, keeps eyes on ball, makes contact with hands, but does not catch it
- 3 Bounces the ball, but catches it incorrectly, i.e.,
 - , juggles the ball or supports the ball with another part of the body other than the hands
- 4 Bounces and catches the ball with the hands (3 times)

-Test Item No. 3: Touch ball swinging laterally
Factor: Eye-Hand Coordination

- Makes no attempt to touch a stationary or swinging whiffleball (softball circumference)
- 1 Touches a stationary ball with hand
- 2 Touches a swinging ball with hand
- -3 Touches a stationary ball with index finger 3 times; ball suspended left of mid-line, might of mid-line (head permitted to rotate)
- 4 Touches a moving ball with index finger 3 times; ball to be touched on command left of mid-line, mid-line, and right of mid-line (head to remain motionless)

Note: The instructor holds the whiffleball suspended on an 18" cord at mid-chest level.

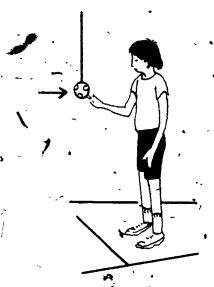


Touch Ball Swinging Laterally

Test Item No. 4: Touch ball swinging fore and aft Factor: Eye-Hand Coordination

- Makes no attempt to touch a stationary of swinging whiffleball (softball circumference)
- 1 Touches a stationary ball with hand
- 2 Touches a ball swinging fore and aft with hand
- 3 Touches stationary ball with index finger 3 times (ball suspended at mid-line 24", 18", and 12" from the student)
- 4 Touches moving ball with index finger 3 times; ball to be touched on command at distance of 24", 18", and 12" from the student





Touch Ball Swinging Fore and Aft

Test Item No. 5: Bat ball with hand Factor: Eye-Hand Coordinations,

- Makes no attempt to bat a stationary or swinging whiffleball with hand
- Swings at a stationary ball, but does not strike the ball cleanly (i.e., hits the string)
- Swings at a moving ball, but does not strike the ball
 cleanly '
- 3 Bats a stationary ball with the hand correctly (3 times)
- 4 Bats a moving ball (fore and aft) with the hand correctly (3 times)



Bat Ball With Hand

Test Item No. 6: Bat ball with bat Factor: Eye-Hand Coordination

- Makes no attempt to strike a stationary or moving whiffleball with a plastic bat
- 1 Swings Bat at a stationary whiffleball, but does not strike the ball cleanly (i.e., hits the string)
- 2 Swings bat at moving whiffleball, but does not strike the ball cleanly
- 3 Strikes a stationary ball with bat correctly 3 times



Bat Ball With Bat

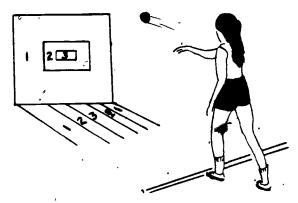
- 4 Strikes a moving ball (fore and aft) with bat correctly (3 times)
- Maximum Total Points Eye-Hand Coordination 24 points

✓ EYE-HAND ÀCCURACY

Test Item No. 1: Throw-right hand (Refer to page 21 for target dimensions)

Factor: Eye-Hand Accuracy

- Makes no attempt to throw whiffleball with right hand
- 1 Grasps ball with right hand and releases in an attempt to throw
- Throws or tosses the ball at a target 10 feet away, striking on or within the overall boundaries 1 of 3 attempts. The ball must hit the target without previously touching the floor for a correct attempt.



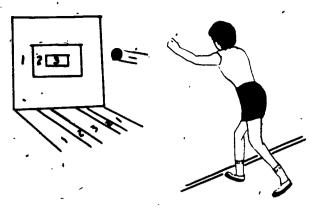
Throw-Right Hand

- 3 Two successful attempts in 3 tries
- 4 Three successful attempts in 3 tries

Test Item No. 2: Throw-left hand

Factor: Eye-Hand Accuracy

- Makes no attempt to throw whiffleball with left hand
- 1 Grasps ball with left hand and releases in an attempt to throw



Throw-Left Hand

- 2 Throws or tosses the ball at target 10 feet away, striking on or within the overall boundaries 1 of 3 attempts. The ball must hit the target without previously touching the floor for a correct attempt
- 3 Two successful attempts in 3 tries
- 4 Three successful attempts in 3 tries

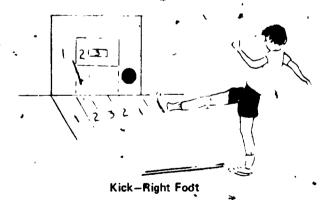
Maximum Total Points - Eye-Hand Accuracy - 8 points

EYE-FOOT ACCURACY

Test Item No. 1: Kick-right foot

Factor: Eye-Foot Accuracy

- Makes no attempt to kick stationary volleyball with right foot
- 1 Kicks ball at target, but does not strike it
- 2 Kicks ball at target 10 feet away, striking on or within the overall boundaries 1 of 3 attempts. The ball may touch the floor prior to contacting the target
- 3 Two successful attempts in 3 tries 1
- 4 Three successful attempts in 3 tries



Test Item No. 2: Kick-left foot

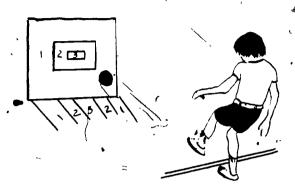
Factor: Eye-Foot Accuracy

- Makes no attempt to kick stationary volleyball with left foot
- 1 Kicks ball at target, but does not strike it

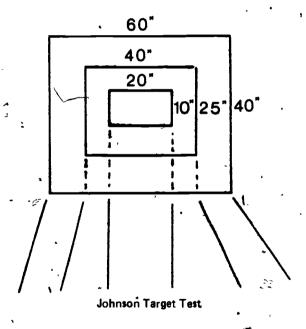
¹A'successful attempt is recorded if the ball strikes within the confines of the target,

- 2 Kicks ball at target 10 feet away, striking on or within the overall boundaries 1 of 3 attempts. The ball may touch the floor prior to contacting the target
- 3 Two successful attempts in 3 tries
- 4 Three successful attempts in 3 tries

Maximum Total Points - Eye-Foot Accuracy - 8 points



Kick-Left Foot



Test scoring. Table 2-4 provides the form for scoring pupil performance. Use the form in conjunction with the test directions. For example, if a student makes no attempt to walk (Test Item No..1) when requested, record a score of "0" in the appropriate raw score column. (Scores for each test item cantrage from "0-4.") When the entire test has been administered, determine the raw scores for each factor and the total performance score.



When sufficient data is gathered; percentile scores for each test item, stanine scores for each test item, and percentile scores of the motor ability index distribution will be determined.

TABLE 2-4 MOTOR ABILITY TEST FORM¹

Last	First	Age	Grad	e			School			Sex
HANDEDNESS: R L						ΕO	OTEDNESS	Q		
CLASSROOM TEACHER			DATE		•		012011233	''		_
DEASONOOM TEACHEN		_	DATE			•			_	
			•	•		•				
•	-			,						
	<u> </u>		**	<u> 'PRE</u>	-TES	ST ,		POS	T-T	EST
TEST ITEM	FACTOR MEASURED	· 🔻	TRIALS	RS	%	S	TRIALS	RS	%	S
1 Walk	Gross Body Coord						,			-
2 Creep	Gross Body Coord				1	1	ł		1	
3 Climb stairs	Gross Body Coofd				1				1	
4 Skip	Gross Body Coord				1				1	ĺ
5 March-in-place *	Gross Body Coord		-		1		İ		1	
TOTAL (Maximum – 20 points)					1				1	
1 Stand-both feet (15 sec.)	Bal-Post, Orient.	$\neg \uparrow$		1			†			
2 Stand-right foot (15 sec.)	Bal-Post Orient	7			1]		1	
3 Stand-left foot (15 sec)	Bal-Post, Orient	1			1		1		1	
Jump-one foot leading	Bal-Post Orient				<u> </u>				1	
Jump both feet simultaneously	Bal-Post Orient				1					
3 Jump-both feet	Bal-Post Orient				1]	
7 Hop-right foot	Bal-Post Orient		· ,		1 .				1	
B Hop-left foot	Bal-Post Orient									
FOTAL (Maximum - 32 points)		-1		,						
1 Catch	Eye-hand Coord	一十	-		·			 		
2 Ball—bounce and catch	Eye-hand Coord.	$\neg \dagger$	_				#		1	
3 Touch ball swg. laterally	Eye-hand Coord		_		İ				1	
4 Touch ball swg fore/aft	Eye-hand Coord.				1				١. ١	i
5 Bat ball with hand	* Eye-hand Coord		_		-				1	
Bet ball with bet	Eye-hand Coord			٠,					1	
TOTAL (Maximum - 24 points)	<u> </u>						*			
1 Throw-right hand	Eye-hand Accuracy						Ī .			
2 Throw-left hand	Eye-hand Accuracy				ĺ	,	·		1	
3 Kick-right foot	Eye-foot Accuracy		•	†			1			
4 Kick-left foot	Eye-foot Accuracy		_	†	/	f		1		
TOTAL (Maximum – 16 points)		\dashv	-	†			1,			
GRANO TOTAL (Stanine Points)		-t		\vdash		٠,	 	 		
MOTOR ABILITY INDEX				- -		٠.	н	<u>. </u>		
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OR, Hilsendager, H.K. Jack and Lester Mann. Basic Motor Fitness Test for Emotionally Disturbed and Mentally Handicapped Children

ERIC

Posture Screening

Appraise the posture of all students,

Recommended screening procedures for identifying students with potential body mechanics problems involves the following series of steps (refer to Appendix D for Posture Screening Grid Construction Directions):

- Reproduce New York Posture Rating Charts. (Refer to Figure 2-32.) Note: Permission was granted by the New York State Department of Education to reproduce forms as they are no longer available commercially.
- 2. Use constructed posture grid or Symmetrigraf² to screen students. Also have available a tray with a foamubber insert filled with a foot disinfectant solution; a chair, a stadiometer; and a reasonably bulky object.
- 3. Students to be tested (maximum of five at a time) should line up alphabetically; as one finishes, he returns to class and sends in the next student. While they wait, boys remove gym shoes, stockings, and shirts and don shorts, and girls remove shoes and stockings, and don bathing suits. Another procedure for evaluating postural and body alignment is given in Appendix E.
- 4. The testing sequence involves: height and weight check by an assistant; posture screening to detect static posture (use foot bath solution to provide imprint for detecting flat feet and as a disinfectant), walking to a chair, sitting, rising, and lifting and placing an object on the floor as a means of assessing dynamic posture.

Test directions, modified lowa Posture Test. Subjectively, observe each pupil as he walks to and from the grid, sits, rises from the chair, and lifts and places an object on the floor. It is important that the teacher repeatedly request that each child relax throughout the screening; rationale: rigid unnatural body mechanics will decrease the validity of the screening.

Scoring procedure, modified lowa Posture Test. The primary purpose for including aspects of the lowa Posture Test is to provide a means of assessing the student's dynamic posture. The teacher should be aware of, and record, anecdotal remarks for the following atypical patterns:

- Improper alignment of body parts (while walking)
- Slouched sitting posture (i.e., exaggerated back curve, head and shoulders forward)
- Lifting an object by bending the back rather than the knees and hips and supporting the object away from the center of gravity
- Setting an object down (use the same criteria as for lifting an object)

Test directions, modified New York Posture Rating Chart. 3 Equipment needed.

- 1. Heavy, clearly visible plumb line.
- 2. Convenient stationary support for plumb line.
- 3. Masking tape (approximately 1" wide).
- 4. Backdrop or screen
- 5. Grease pen

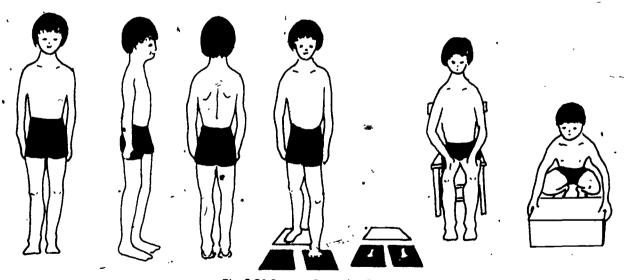
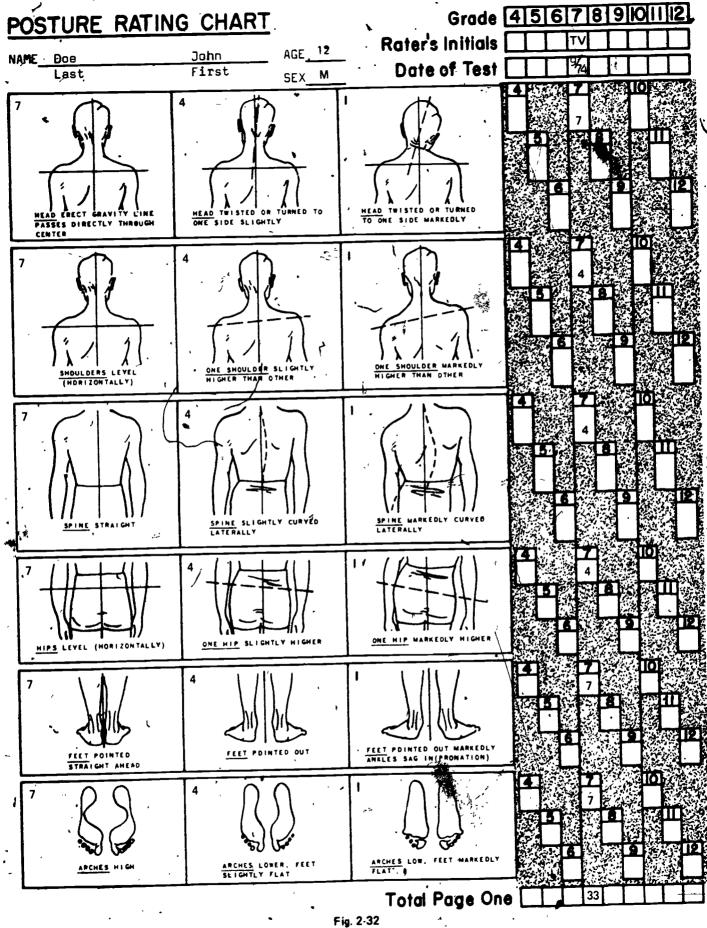


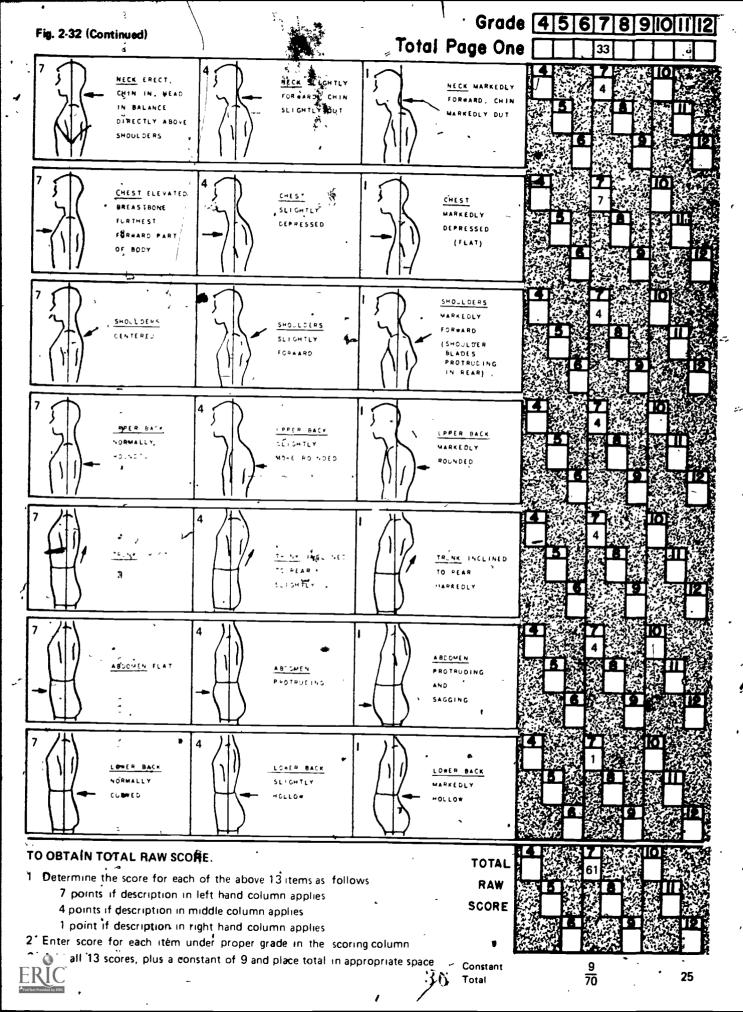
Fig. 2-31 Posture Screening Sequence

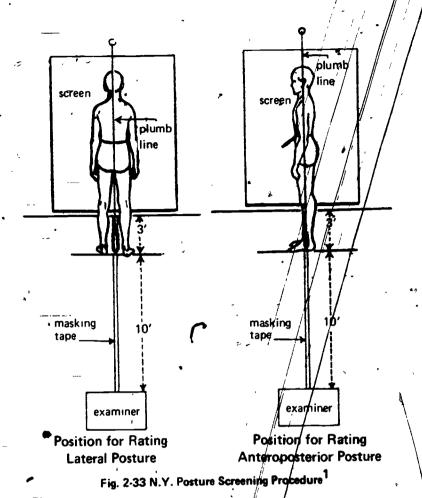
¹Division of Physical Education and Recreation, New York State Education Department, "Posture Rating Chart" New York-State Physical Fitness Test.

^{2&}quot;Symmetrigraf," Reedco, Inc.

³Division of Physical Education and Recreation, op. cit., p. 14.







Procedure:

- 1.º Suspend a plumb line from a stationary support in front of an appropriate screen so that the bob touches the floor. Directly under the bob, construct a straight line using the masking tape. This line should begin at a point on the floor three feet from the bob toward the screen, pass directly under the bob and extend ten feet on the examiner side of the bob. (Refer to Figures 2.32 and 2.33.)
- The pupil assumes a comfortable and natural standing position between the plumb line and the screen, straddling the short end of the floor line with his back to the plumb line.
- The examiner takes a position on the floor line about ten feet from the pupil with the plumb line between himself and the pupil.
- 4. After the pupil's lateral posture and feet have been rated, the pupil then makes a one-quarter left turn so that his left side is next to the plumb line and stands with his feet at right angles to the floor line.
- 5. Examiner scores each segment as shown on the Posture Rating Chart.

- a First, observe the pupil; then review the illustrations and descriptions on the Posture Rating Chart.
- b. Evaluate the pupil and record his score in the box under the appropriate grade column.

 (1) Pupil's score of each segment should be 7, 4, or
 - 1) Pupil's score each segment should be 7, 4, or 1. The sum of the thirteen scores should then have the constant of 9 added to it.
 - (2) Each segment should be scored separately and the scoring of the previous segments should not be allowed to influence the score of the segment under consideration at the moment.

Scoring procedure, modified New York Posture Rating Chart. The student's total score is a composite of the 13-item New York Posture Rating Test, plus anecdotal comments regarding the dynamic movements. Note: Although the New York Screening Test is scored on a 5-3-1 basis, the recommendary procedure is to score on a basis of 7-4-1. A perfect contract the New York Test is 65; a maximum score undarged proposed procedure would be 91 (the addition of the statement tends to make the scores more seaningful to the students since they like to view scores of the arbitrary 100 standard.

¹Permission to publish granted

· Kinesthetic Target-Throwing Test

Test directions. Administer the target-throwing test to all visually handicapped students.

Test Item: Kinesthetic Target-Throwing Test Factor: Kinesthesis

Prior to testing, the subject is required to "pace" the distance to the target and to "feel" the target dimensions with his hands and arms. During the tactile process, the instructor explains the "points" for each rectangle. The subject is theh allowed three practice throws with his dominant hand. After each throw, the instructor comments upon the accuracy (e.g., "low and to the left," "high and to the right," etc.) Finally, the subject throws the whiffleball (softball circumference) at the target ten times (without verbal comment). The subject may use either an overhand or underhand throwing motion from a distance of ten feet. The ball must strike the target without previously touching the floor for a correct attempt. Scoring: 3 points, inner rectangle and line, 2 points, middle rectangle and line, and 1 point, outer rectangle and line.

Attempts: 10 Scoring. Total Points for ten attempts

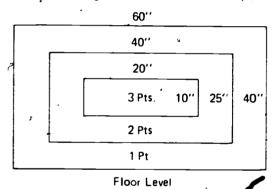


Fig. 2-34 Target-Throwing Test

Self-concept

Administer the instrument that is appropriate for the age level and modify in accordance with the child's dsyfunction. For example, a blind student in grades 9-12 would be administered the Wear Attitude Inventory. A "buddy" could be selected to read the statements and record the verbal responses given.

Test directions, pictorial self-concept scale. Boys and girls, my name is Today we are going to do something that is NOT a school test but is like a game (Have teacher help in passing out cards, colored sheets, and small blue piece of paper) Make sure teacher sees there are BOY cards and GIRL cards 2)

Does everyone have a blue sheet of paper, a pink sheet and a yellow sheet? Does everyone have a pack of pictures?

Put your colored paper on the desk with the blue on the left. (Show them by holding up paper, or drawing them on blackboard, or taping the sheet to the blackboard big blue at the left as you face the blackboard.)

Now this is where the game begins. You each have a pack of pictures. In each picture there is a boy or girl with a star on his shirt or dress. Do you see the child with the star on his shirt or dress on your first picture? So you are looking for the child that has the star on his shirt or dress. Sometimes there will be pictures with more than one child. Which child will you be looking for? (A. child with a star, etc.) If you think that the boy or girl with the star is like you, put the picture on the blue sheet of paper. (Point to sheets on board). The blue sheet of paper is for pictures that are like you. If you think that the boy or girl with the star is sometimes like you, put the picture on the pink sheet of paper. The pink sheet of paper is for pictures that are sometimes like you. If you think that the boy or girl with the star is not at all like you, put the picture on the yellow sheet of paper. The yellow sheet of paper is for pictures that are not at all like you.

If the picture of the child with the star is like you, where will you put the picture? (On blue.) If the picture of the child with the star is sometimes like you, where will you put the picture? (Pink.) If the picture of the child with the star is not at all like you, where will you put the picture? (Yellow.)

Do you understand what you are going to do? When you have a question raise your hand and I'll help you. Remember you are the one to choose where your pictures will go. When you are through, leave the pictures on the sheets of paper, raise your hand, and I will come to see you when I can. I might be busy so please leave the cards in the piles and wait. Walk around, check layout.

To: Schools and Agencies Implementing Project ACTIVE From: Dr Thomas M. Vodola

Re: Administration of Self-Concept Scale

Suggestions based on previous testing experiences

- 1. Administer only the "B" Form for pre-and post-tests until we check the "A" Form out again. The "A" Form did not correlate highly with the total test (50 cards) therefore it may not be valid.
- Whether testing one student, or a group, have all students complete one card before moving on to the next card
- 3 Explain each card to the individual or group Note:
 The directions state that if the child in the picture is
 like you, place in one pile, etc. Our testing revealed
 inaccuracies with that approach because the facial

Angelo S Bolea, Donald W Felker and Margaret D Barnes, "A Pictorial Self-Concept Scale for Children in K 4" Journal of Educational Measurement pp 223-224

²Note 3 A packet of test cards will be provided in class

¹The writer divided the 50 cards into two evenly weighted decks, the purpose to reduce testing time

expression is the key factor for self-image. For example, "B" card number 6 shows a pupil doing a cartwheel with a smile on his face. A child may select "not_ ike him" because he cannot do a cartwheel when in actuality he should select "like him" if he is a happy child as the facial countenance indicates.

- 4. If possible, have the classroom teachers administer the test. I believe they will find the experience enjoyable and will be interested in the post-test results. Additional cards, may be purchased from ED Corporation.
- Test only students who can reason since it is of doubtful use with trainables or any students who cannot comprehend.
- 6. Record pre- and post-test scores on Evaluative Data Sheets and submit to the Project Director in June.

Test scoring.

1. The scoring of the PSC is facilitated by the method in which the cards are gathered after the subject has sorted them into piles of "Like Me," "Sometimes Like Me" and "Not Like Me." The most advantageous method of collection is to put the child's name on a blue stip of paper. Use three envelopes stapled together (see diagram) and then put all of the cards from the "Like Me" pile in an envelope with the blue slip, the "cards on the "Sometime" pile in the middle envelope, and the cards from the "Not Like Me" pile in the other end envelope. This can be done quickly and is almost essential for group testing. These cards then can be retained for preparation for scoring till a later time.



- Scoring can be done by hand by using the "Pictorial Self-Concept Scale Score Sheet" which contains directions. (See Table 2-5.) This is time-consuming and is not advisable except when only a few are to be scored.
- 3. ED Corp. has a scoring program and will run data for you for a small charge. (Address: ED Corp., 822 N. Salisbury Street, W. Lafayette, Indiana 47906.)

4. The data must be put on computer data cards to use the scoring program. Each card in the "Like Me" pile gets a score of 1, each card in the "Sometimes" pile gets a score of 2, and each card in "Not Like Me" pile gets a score of 3. The use of IBM mark sense cards or 1230 answer sheets allows you to record the data and then easily produce a computer data deck for scoring. The transferring of scores of data sheets takes approximately 3 minutes per subject tested. Rather than purchasing from ED Corp., the service of producing a computer deck (which is .06 per card) you should check with your measurement and research center to see if they have facilities for producing a data deck for you. The charge for scoring by ED Corp.; is then only \$5.00 for each group of tests up to 1,000 tests per group

Test directions, a picture choice, grades K-1. This instrument seeks to measure a child's interest in four subject fields (language, listening and speaking; math; science; and aesthetics — art and music), by presenting to the child 28 sets of three hypothetical activities; he is to choose one of the three activities he would most like to do. Each activity is presented both orally by the test administrator, and visually in the form of a picture on the child's response sheet. The picture is included to provide the child with a mnemonic device to aid him in perceiving the choices and in making his response. Each pupil will obtain a profile of four scores, each consisting of the number of activities selected in a particular subject area. If desired, however, only certain subject areas of interest to the user may be scored.

The activities were selected to represent both subject areas of concern as well as activities within the child's realm of experience. It is assumed that relative interest in the various subject areas may be inferred from the activities which the child selects.

It is expected that children will require approximately 20 minutes to complete the instrument. It has been found that children of kindergarten age and above are able to perform this task when the recommended practice activities are used prior to beginning the measure.

The following practice items may be used to insure that the children understand the procedure for responding. These or similar pictures are to be drawn on the blackboard, and different children are asked to mark their responses by placing an X-over the appropriate picture.

¹Attitude Toward School, Grades K-12, Revised Edition, pp. 48-61. Permission to publish graded.



play with a dog

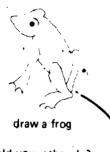


chop down a tree



pick a flower

2. Which would you rather do?



read a story about a frog



find out how frogs breathe

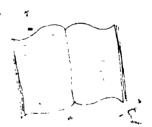
3. Which one would you rather do?



find out how guitars make sound



play a tune on the guitar



read how the guitar was invented.

Emphasize that there are no "right" or "wrong" answers, and that different children may be expected to respond differently to the items. Therefore, pupils need not worry if their response is different from that of another child.

Students should receive four response sheets, stapled together in sequential order. (See pages 33-40 for answer sheets and scoring-templates.)

Each row of pictures may be identified by the numeral at the left of the row. For pupils who are unable to identify the numerals 1-28, close supervision will be required to insure that pupils are responding at the right place. Administration will be most efficient if conducted with small groups of children rather than with the entire class at once.

Test scoring. Scores may be obtained for all four subject areas or only for those particular areas which are of interest to the user. Subject areas represented by each activity are indicated on the scoring template. Scoring templates may be prepared by cutting out the boxes. Subject areas may be identified by the letters beside each box (L = language, M = mathematics, S = science, A = aesthetics). The template may be placed over the student's response sheets and the responses for all subject areas or only for those areas of interest may be tabulated. Each subject is represented by 21-different activities; therefore, students may receive a maximum of 21 points on any particular subject area.

For each subject area, an average score for a group of pupils may be computed by adding the individual scores and dividing by the number of students in the group.



PICTORIAL SELF-CONCEPT SCALE SCORE SHEET

ltem ,	Card Value	Like Me =	Sometimes Like Me	Not Like
1	8.1			
ž	438 -			1
3	36.8	 • • • • 		
4	37 9	; *	3	1
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Definitions:

Item - number on pictorial card.

Card Value — as <u>determined</u> by eight judges. Low value-positive. High valuenegative.

Like Me; Sometimes Like Me; Not Like Me. Determined by card placement during test.

Totals - determined by adding the card realues for cards placed in each column.

No. — number of cards placed in each column.

Average — Total of each column card values divided by number of cards placed in that column.

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(Permission to publish granted.)

Name _____

Score = (X of Not Like Me Col.) minus

(X of Like Me Col.) + 50

High score = positive self-concept.

*.

A PICTURE CHOICE

Primary Level (Grades K-1)¹

Directions: (to be read aloud) Look at your paper and you will see that in each row there are three pictures. Each picture is about something you might do in school. I will tell you what is happening in each picture. Then you will put an X over one of the pictures to show which of the three things you would most like to do.

1. Find your name

2. Sing a song

Color a book

4. Speak to someone through a can

5. Cut out pictures of cows

6. Count the sticks in a box

7. Draw a fish

Find out which trees have smooth bark and which have rough bark

9. Make something from clay

10. Count the beans in the beat

11. Listen to a story about a teapot

12. Draw pictures of different kinds of transportation

13. Be the one to tell how many days until Christmas

14. Find out why popcorn pops

15 See who can tap marbles the fastest ?

16. See how far you can shoot a rubber band

Paint a picture

Tell a story

Change hard things into soft things & soft things into hard things

Color tin-cans

Listen to a story about cows

Listen to a story about the sticks

Watch how a fish moves

Count the trees on the block with smooth bark

Find out where clay comes from

Grow a bean plant

Make a teapot

Tell about different kinds of transportation

Speak in a Christmas play

Tell a friend how to make something out of popcorn

See what happens when marbles are heated

Find out why a rubber band stretches

Count the children in class

Tell time

Listen to a story

Fit little cans into big cans

Find out what cows have **to** do with butter, cheese and milk

Find out what the sticks are made of

Listen to a story about a fish

Draw a picture of a tree with smooth bark and a tree with rough bark

Give each child the same amount of clay

Make a picture using beans

Find out how a teapot makes steam

Find out why some kinds of transportation have two wheels and others have three or four

Paint Christmas cards

Méásure oil and popcorn for popping

Play a word and letter game with marbles

Make designs on a nail board with rubber bands

1 Ibid

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A PICTURE CHOICE (Continued)

			2
14.	Hear a story about trains	Find out what makes a train move	Count cars as a train goes by
18.	Count how many planes go up and how many land at the airport	Talk to a pilot	Find out what the wind does to a plane
19.	Pretend to be a turtle	See how long it takes a turtle to get across the room	Feed a turtle
20.	Listen to a story about a boy and his shadow	Find out why we see our shadow and when	Find ways to see how long our shadow is
21.	Talk to a mailman	Find out how many days, it will take a letter you mail to get to your house	Sing a song about a mailman
22.	se what things a magnet will	Listen to a story about a boy and	See how many things a magnet will

23. Paint boxes to make a store Count money in the store

pick up and what things it

won't pick up

a		
24. Paint with sponges	Find out how much water differen	nt
•	sponges hold	

his magnet

- 25. Grow cotton Use cotton to make a picture
- 26. See how much a new leaf grows each day
- 27. See what happens when you. put water on a pine cone
- 28. See how big something is

Use leaves for tracing on paper

Use pine cones to make an owl

See how pretty something is .

pick up at one time.

Tell everyone there is a new store

Find out where sponge are born and grow

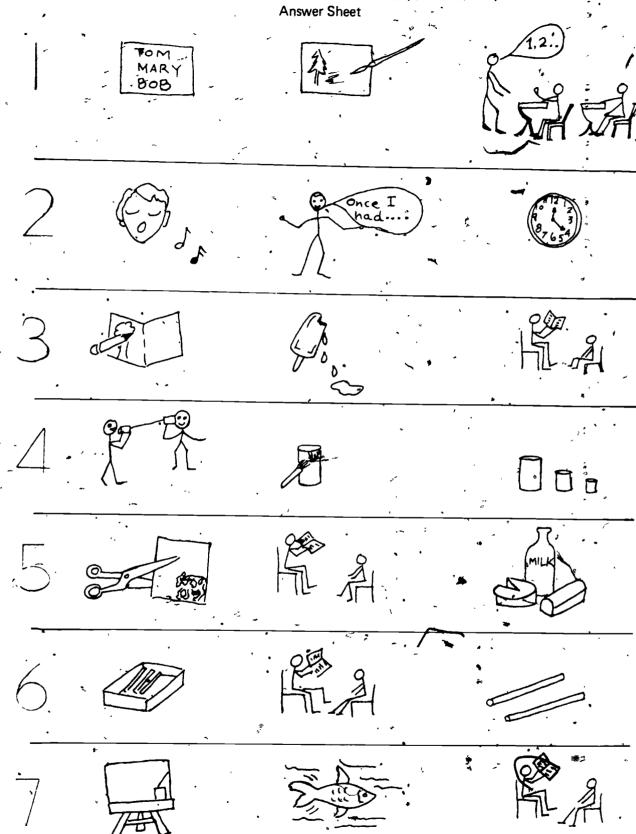
Lister to a story about cotton

Find out which trees don't lose leaves in winter

Tell the children in the room about a pine cone

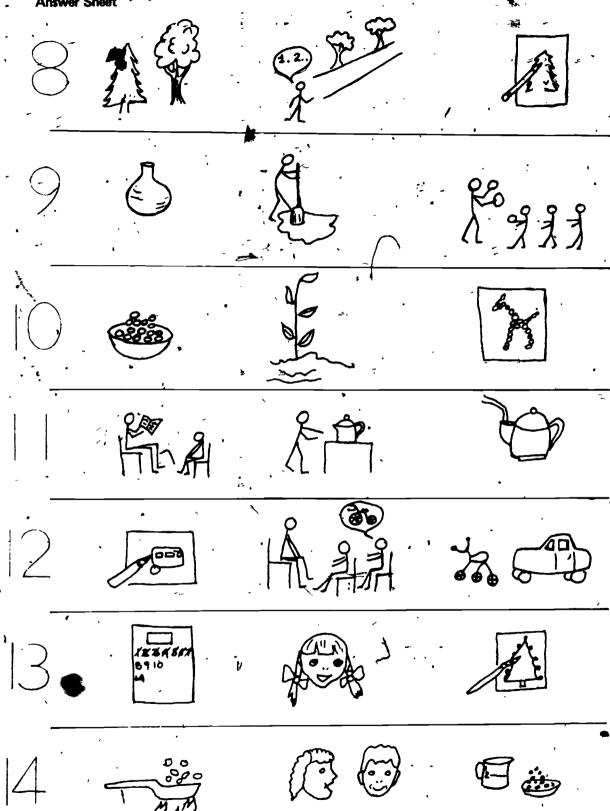
Tell about something old

A PICTURE CHOICE: PRIMARY LEVEL (GRADES K-1)





A PICTURE CHOICE (Continued) Answer Sheet



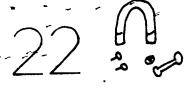
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4.

PICTURE CHOICE (Continued) Anawer Sheet 123 4567



A PICTURE CHOICE (Continued)
Answer Sheet

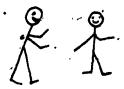


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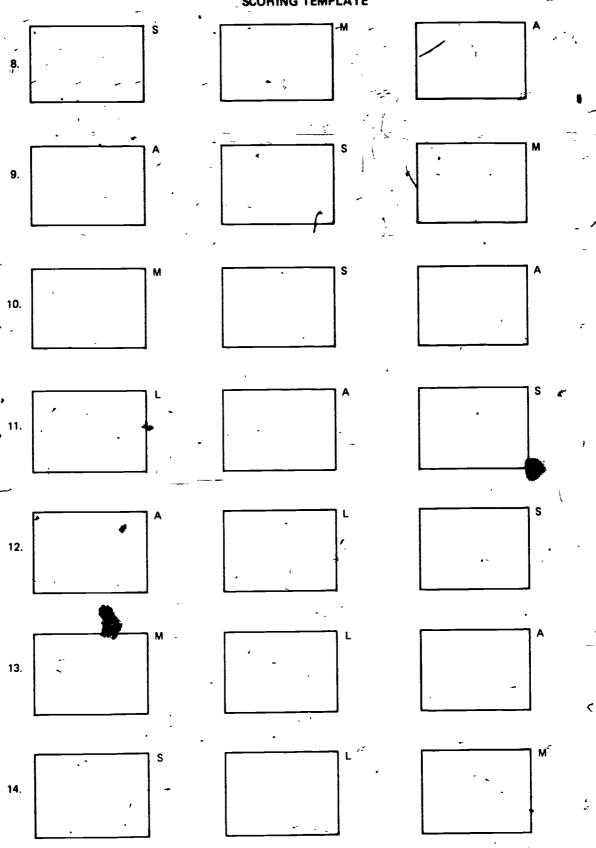


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SCORING TEMPLATE 1. 6.

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SCORING TEMPLATE

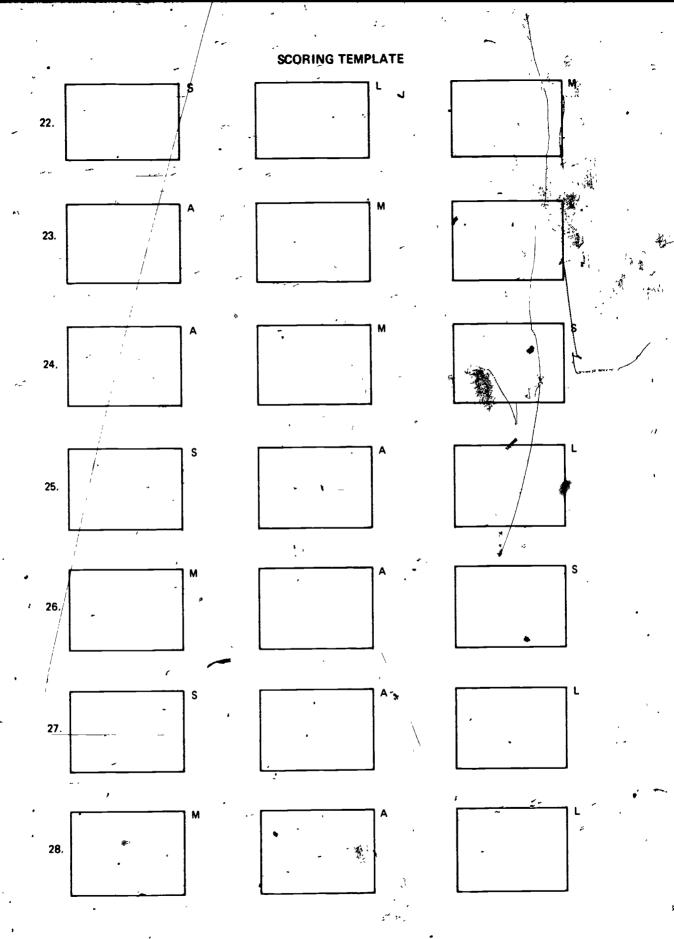


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16. 17. 19. 20.

SCORING TEMPLATE

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Q-sorting Technique

Test-directions and scoring procedures, g-sorting technique. This "forced-choice" technique provides the teacher with a means of identifying the child's self-concept and, of greater significance, target behaviors that need attention. The procedure involves having the student fill in the formboard twice. (See Figure 2-35). Self-report No. 1: The student reviews all of the behaviors listed in Table 2-6 and, starting with the behavior that is "most like me," records that number in column 1. For example, if the child feels he "annoys classmates," he should record "20" in the "most like me" column. In similar fashion, he records all indications of his "real" self on the formboard. Self-report No. 2 may follow immediately thereafter, or in a day or two. However, on this occasion the student is to record on the formboard indications of his "ideal" self. i.e., how he would like to be.

The two sets of scores are recorded as follows: (See Table 2-7).

- 1. Test No. 1 (Real/Self): Record card number choices in Column S-1. In the example cited previously, a "1" would be placed in the S-1 column to the right of Card No. 20.
- 2. Test No. 2 (Ideal Self) Record card number choices in Column S-2.

(Note: All numbers recorded for total administrations should range from 1-9.)

3. Enter the difference between the scores for each card in the "D" column. For example, the child who stated he annoys classmates, might indicate that ideally "annoying classmates" is "most unlike him." Thus, his scores would be recorded as follows:

Card Column No S-1		Column S-2	D 702	
20	1	9	-8 64	

(Rule of thumb: difference scores of "3" or more may be indicative of target behaviors that should be modified.)

4. Total the \mathbf{D}^2 scores and insert in the formula. For example:

$$=\frac{1}{200} = 1\frac{200}{200} = 1 = 1.00$$

TABLE 2-6

ITEMS ON THE BEHAVIORAL Q-SORT

(Elementary Level)

- 1. Performs activities requested.
- 2. Pokes or hits classmates.
- 3. Leaves activity area without permission.
- 4. Scores high on the physical fitness test.
- 5. Easily distracted.
- 6. Is well-coordinated.
- 7. Disturbs classmates by making noise.
- 8. Is quiet during class time.
- 9. "Day dreams" often.
- 10. Follows directions.
- 11. Smiles frequently.
- 12. Often taps foot, or fingers.
- 13. Pays attention to assignments.
- 14. Performs tasks slowly.
- 15. Throws objects in class.
- 16. Performs skills well.
- 17. Talks out without permission.
- 18. Successful in athletics.
- 19. Talks to classmates often.
- 20. Annoys classmates.
- 21. Successful in intramurals.
- 22. Asks teacher questions.
- 23. Uses free time to practice skills.
- 24. Recognized by classmates for physical ability.
- 25. Walks around gym during activity time.

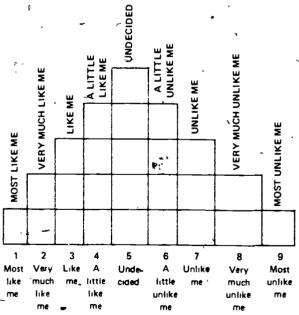


Fig. 2-35 The Formboard

Modified version of "The Behavioral Q-Sort As A Diagnostic Tool," Roger Kroth, in *Academic Therapy*, Vol. 8, No. 3, Spring 1973, pp. 317-330.

TABLE 2-7 BEHAVIORAL Q-SORT RECORD FORM¹

Name of Subject		Se	Sex Date Tested			
Address		Phone	Date of	Date of Birth		
School				Grade	Age	
Name of Exa	minee		Relationship to (Child	<u>.</u>	
Card No.	Column S-1	Column S-2	D	D ²		
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24			`,			
		T	l	ı	1	

1_{Ibid}

*4

RĬĆ

An "r" (correlation) of 1.00 indicates a perfect relation between "real" and "ideal," or a well-adjusted child, assuming the child is honest in his responses. The correlation score provides baseline information; it has no other value. Following treatment intervention, the teacher should readminister both tests and determine a second "r" score. With limitations, an increased correlation is reflective of an enhanced self-concept.

Test directions, wear attitude inventory. PLEASE READ CAREFULLY: Below you will find some statements about physical education. We would like to know how you feel about each statement. You are asked to consider physical education only from the standpoint of its place as an activity course taught during a regular class period. No reference is intended in any statement to interscholastic or intramural athletics. People differ widely in the way they feel about each statement. There are no right or wrong answers.

You have been provided with a separate answer sheet for recording your reaction to each statement. (1) Read each statement carefully, (2) go to the answer sheet, and

(3) opposite the number of the statement place an "x" in the square which is under the word (or words) which best expresses your feeling about the statement. After reading a statement you will know at once, in most cases, whether you agree or disagree with the statement. If you agree, then decide whether to place an "x" under "agree" or "strongly agree." If you disagree, then decide whether to place the "x" under the "disagree" or "strongly disagree." In case you are undecided (or neutral) concerning your feeling about the statement, then place an "x" under "under "undecided." Try to avoid placing an "x" under "undecided" in very many instances.

Wherever possible, let your own personal experience determine your answer. Work rapidly, do not spend much time on any statement. This is not a test, but is simply a survey to determine how people feel about physical attention. Your answers will in no way affect your grade in any course. In fact, we are not interested in connecting any person with any paper — so please answer each statement as you actually feel about it. "Be sure to answer every statement." (Administration forms and scoring procedures are located in Appendix F).



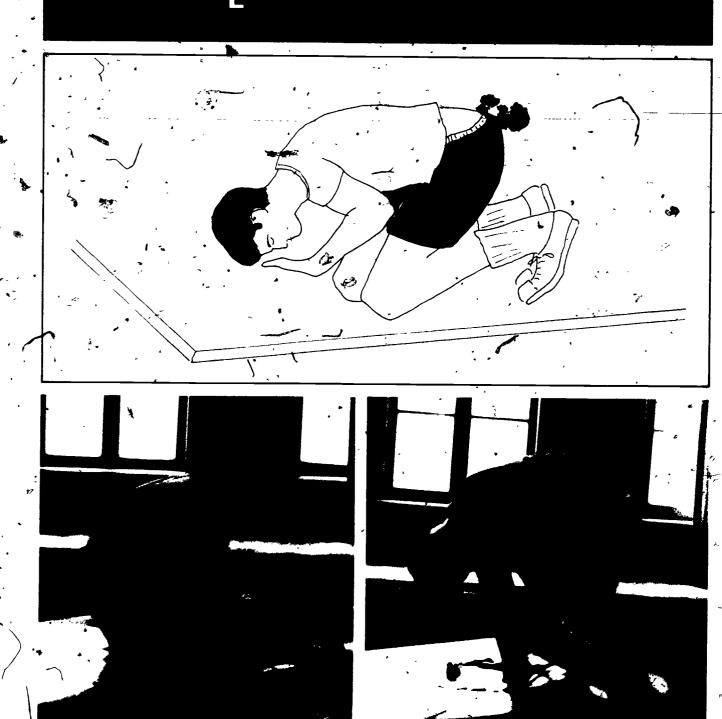


(Courtesy of St. Joseph's School for the Blind, Jersey City, New Jersey.)

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¹C.L Wear, "Construction of Equivalent Forms of an Attitude Scale," Research Quarterly, XXV, pp 113-119 (Courtesy of AAHPER)

T ASSES MENT PROCEDURES P E





CHAPTER THREE

T ASSESSMENT PROCEDURES P E

The assessment of performance is the second step in the individualization of a program for students with communication problems. Individual strengths and weaknesses can be determined only by the proper diagnosis of pupil performance.

Unfortunately, teachers are taught to diagnose performance almost solely on the basis of "product" information (test scores), but lack the observational skills to focus on the "process" information provided by the child, namely how he performs the specific task.

The Project ACTIVE Teacher Training Program incorporates both appraisal strategies, objective and subjective. Teachers are trained to assess "product" and "process" information so that they can compile a complete "picture" of each child's persormance. This chapter provides a systematic procedure for assessing pupil progress effectively and efficiently.

ASSESSMENT

Partially-sighted or Blind

Objective appraisal. Review all test data; note relative strengths and weaknesses.

Subjective appraisal. Carefully observe student performance during all testing. Record anecdotal remarks that focus on the process — how the child performs the skill. Particularly observe how the child performs the tasks of daily living. For example, record remarks regarding the blind subject's general posture (static and dynamic), pattern of locomotion, and socialization with his or her peer group.

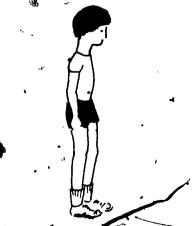


Fig. 3-1 Typical Posture of Blind Student

ERIC Full Text Provided by ERIC

Hard-of-hearing or Deaf

Objective appraisal. Review all objective test data (particularly tests of balance).

Subjective appraisal. Note mechanisms by which student carries out test activities (e.g., position of head, movement of arms and body while maintaining balance on beam.) Does he pick up his feet while walking, or tend to shuffle? Is he generally graceful?

Autistic

Objective appraisal. Review the objective data from any of the test items performed by the child. Does he mingle with other children? Determine the time length. Does he make "eye" or "physical" contact with others? Determine the time length. Record the number of conversations per period.

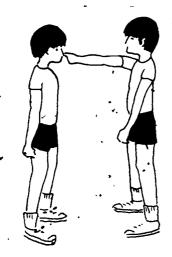


Fig. 3-2 Establishing "Eye" Contact with the Autistic

Subjective appraisal. Does the student seem friendlier? Indicators could be facial expressions or tone of voice. Does he initiate conversations? Even if he shuns physical contact, does he appear interested in activities?

Aphasic

Objective appraisal. Review objective data from all tests. Record the times the child is actively involved in the physical activity program upon first admittance to D&A.

Subjective appraisal. What is the students attitude during class participation? Does he enjoy activities? Would he participate voluntarily? Does he participate in any afterschool programs?

SUMMARY .

The "key" to a successful individualized prescriptive program is the implementation of sound assessment procedures. Regardless of the instrument used, it is essential that equal importance be given to the recording of the "how" of pupil performance. At the present time, too much emphasis is placed on "what" the student does.

Developing the ability to assess pupil performance subjectively requires training designed specifically to cultivate the teacher's observational powers. A successful technique used in the Project ACTIVE Teacher Training Program is to pair two teachers with one child during the testing periods. One teacher observes terminal behavior and records the raw score, while the partner observes how the child performs the specific components of the test and records anecdotal remarks. After a period of time, the teachers reverse their assignments. At the end of each session, the teachers discuss the total performance of the child on each task.

NOTES:

ASSESSMENT PROCESS Medical Records Cumulative Records Special Services Conference Parent and Study Conference Formative Evaluation Summative Evaluation Informal observation Review results of all of performance based on objective test data riterion-referenced testing

Fig. 3-3 Assessment Process

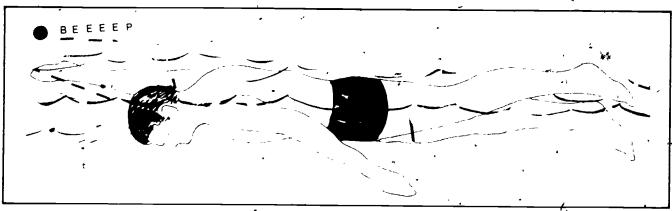


APPRAISAL

APPRAISAL

A PRESCRIPTION PROCEDURES E







CHAPTER FOUR

T A PRESCRIPTION PROCEDURES E

Previous chapters have suggested guidelines for testing and assessing the performance of the visually, auditorily, autistic, or aphasic child to provide the teacher with information necessary to prescribe an individualized physical activity program. However, a prescriptive program cannot be presented in any logical sequence because of the diversity of the problems manifested by children with communication disorders. Proper prescription requires that the teacher analyze each child's behavior and prescribe accordingly. Each program should focus equally on the child's disabilities and abilities.

Since there is a need for general prescriptive guidelines, particularly for the practitiones who has not been exposed to the handicapped population, the following suggestions and student learning experiences are provided.

PRESCRIPTIVE GUIDELINES

Visually Handicapped

Movement exploration is beneficial in developing use and control of the body. Body image, directionality, laterality, and special relationships should be included in the program,

Many of these children do not have the slightest concept of how various sports are played. They do not know how to dribble a basketball, swing a bat, or know what various pieces of equipment look like. Thus, there is need for an initial orientation period in which the blind student can develop his sense of touch (tactile) and his awareness of his body parts in various positions (kinesthesis). Demonstrations should be conducted on an individual basis. Skill teaching should be sequenced as follows:

- 1. The teacher or another student assumes the initial body position.
- The blind student develops a tactile sensation of the initial position by exploring the performer's body position with his hands.
- The blind student assumes the initial position so that he can develop an awareness and a kinesthetic "feel"

for the position (with corrective feedback provided by the demonstrator).

4. The same sequence is provided through the performance and termination phases of the skill.

Blind children tend to take short, faltering steps because of their fear of colliding with an object. Running

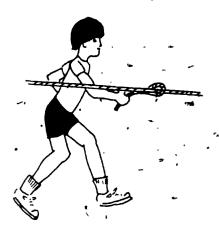


Fig. 4-1 Guidewire Running



with a partner will help to overcome this fear and improve the child's locomotor pattern and skill development. Once the student has gained confidence, he should be provided the experience of running alone, first, by maintaining hand contact with a directional guidewire and finally by being guided by verbal cues or an audible beeper. Robert D. Mason of the American Junior Bowling Congress, has devised two systems whereby the blind can bowl quite successfully. The directions are as follows:

A. Bowling with the "Rail" -

- Strike Ball Hook the crook of the elbow of the guiding arm over the rail, adjust rail position so that the ball is lined up with the center of the lane when hanging at the side of the bowler in his delivery hand. The rail will now remain in this position for all succeeding shots.
- Left-side Spares #4-7 and 8 pins. Hook rail under the arm pit of the guiding arm; this will line the delivery arm up with the above pins.
- Right-side Spares #6.9 and 10 pins. Hold rail in hand of guiding arm with the arm extended straight out to the side parallel to the floor. This will line up the delivery arm with the above pins.
- 4. Center Spares Return to the strike or position #1. This position will cover the #1-2-3 and 5 pins.
- B. Bowling without "Rail" . Many blind bowlers prefer not to use the rail. These people use the ball return as a starting position from which to adjust. This is accomplished by resting the leg against the side of the ball return and then side stepping to gain the proper position for various shots. Since the ball return is between the two lanes used in a match, this will entail using the left leg on the light lane and the right leg on the left Tane. It is necessary to develop a uniform side step. The moves in this method are usually as follows: (Right Lane) rest left leg against the ball-return, Strike Ball and/or Center Spares two side steps to the right. Right -side Spares, three side steps to the right. Left-side Spares, one side step to the right. When using the lefthand lane, the right leg will rest against the ball return. The Strike Ball or Center Spare move will remain the same, two side steps to the left. Left-hand Spares, three side steps to the left. Right-hand Spares, one side step to the left.

Assistance should be given the bowler when trying to establish the proper length of side step. Then, the only assistance necessary is to guide them to the lane. These people develop a sense of hearing that can generally tell them approximately how many pins have been knocked down. Of course, assistance is needed to call out the pins remaining. Some blind bowlers roll a hook ball, this

or 10 pins. Try to develop a staight ball with the thumb of the bowling hand at about 2 o'clock at the time of delivery.

When teaching beginners, it is advisable to stand the

creates an almost impossible problem in picking up the #6

When teaching beginners, it is advisable to stand the person at the foul line in the proper position and deliver the ball with just a pendulum swing and no steps. This later can be developed into one, two, or three steps for an approach. The shorter the length of the step, the easier it is to maintain a straight line. Rolling the ball smoothly and slowly in the beginning is of the utmost importance, for as soon as the ball is thrown, or rolled too hard, the person tends to pull the arm across the body and angle the ball.

Persons not totally blind should stand about two feet back of the foul line with the delivery arm in line with the center or "big" dot on the floor at the foul line. Make sure that their shoulders are square to the foul line and then let them roll over the center dot for the trike Ball and Center Spares, the dot to the right of center for the #3-6 combination or the 6-9, move to the 2nd dot to the right of center for the #6 or the 6-10 combination or the #8 pin, second dot to left of center for the #4 pin or the 4-7 combination. In Halifax, Nova Scotia, a man with impaired vision was observed who refused any help; he used a pair of field glasses to determine the pins that remained standing and then used the adjustment method explained above. His average is 130.

It is recommended that the partially-sighted or blind student be integrated in the regular physical education program during appropriate units of instruction such as wrestling, weight training, tumbling, gymnastics, and swimming. 3 During team sports such as softball, basketball, volleyball, and flag football, the student should be scheduled in the D&A program.

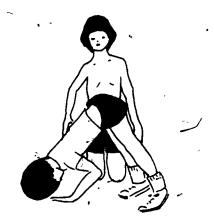


Fig. 4-2 Skill Development through Tactile Exploration

50'

¹Manufactured by the American Printing House for the Blind, ²Robert D. Mason, American Junior Bowling Congress, Reprinted by permission of AAHPER.

³Angelo Montagnino, Jr., "Visually Handicapped Children Can Be Integrated In Regular Physical Education Classes." New Jersey Commission for the Blind.

Suggested teaching and safety cues for working with * Aphasic the visually handicapped:

- 1. Require the partially sighted to wear glass guards. ?
- 2. Standardize the placement of mats, barbells, apparatus, and other equipment so that the blind student can learn the layout and thus move around with confidence.
- 3. Verbalize constantly and use other audible cues so that the student can orient his body in the direction of the
- 4. When teaching skills, emphasize strongly the develop-- ment of the student's tactile and kinesthetic senses.

Hard-of-hearing or Deaf

Cooperative games and activities are important for the auditorily handicapped students since they tend to have a low frustration level and may be socially immature. Activities at the elementary level should focus on movement exploration and a variety of balancing activities. The deaf tend to be aggressive and will readily accept competitive activities. Auditority handicapped children can participate in most athletic activities and games but not in those skills or stunts which require the ability to orient the body in space. For example, tumbling skills and stunts in the supine or prone position are contraindicated.

Suggested teaching and safety cues for working with the auditorily handicapped: + + + .

- 1. Provide printed rules, regulations, and scoring pro-
- 2. Always face the student when talking.
- 3. Provide a "buddy" during game situations so that he a can alert the deaf student when the whistle blows.
- 4. Be wary of permitting the student to climb the gym rope or perform on apparatus that is above floor level.
- 5. Become conversant with hearing aids; learn how to change batteries and check for a proper fit to avoid irritations.

Autism

General prescriptive suggestions would include the provision of a variety of movement education experiences. The teaching method used should incorporate the following features:

- 1. Make the learning experiences simple and concrete.
- 2. Use gentle persuasion to insure performance of the act.
- 3, Reinforce immediately the most minute accomplishment. -
- 4. Have the child perform the act accomplished repeatedly until he has "internalized" the skill.
- 5. Vary the skill constantly so that motor patterns are learned rather than discrete motor skills
- 6. Once the skill is learned use the skill in an activity in which the child and teacher perform together. Eventually try to involve other children also

The aphasic child unable to communicate because of either motor or receptive aphasia should receive special attention.

The teaching method should include, as a major technique, demonstration by the teacher or teacher assistant.

The aphasic child may not understand verbal directions but is able to duplicate physical activities that he sees.

Repetition with tactile and kinesthetic cues will help establish the skills.

Reinforcement and further training will enhance skill retention.

Student Learning Experiences

1. Devise and Participate in Verbally-Guided Throwing-Test and Games for the Partially-sighted or Blind Student, Grades K-12.

Teacher's Role.

- a Explain and demonstrate "kinesthesis" (an awareness of the body parts in various positions) and how its development can aid the partially-sighted or
- b. Explain and demonstrate "laterality" (left-right concepts) and how its development can aid the partially-sighted or blind student.
- c. Explain and demonstrate directionality and how its development can aid the partially-sighted or blind, student.
- d. Explain and demonstrate spatial relationship and how its development can aid the partially sighted or blind student.
- e. Review use of the motor ability target-throwing
- f. Pair sighted-students with the non-sighted for testing purposes.

Student's Role.

The sighted student is to:

- a. Review testing and scoring procedure for administering the motor ability target-throwing test.
- b. Provide verbal feedback for each of his partially. sighted or blind partner's attempts (10). For example, if the object strikes low to the left, he should comment, "Raise the next attempt slightly upward and to the Right."
- c. Record his partner's total score for ten attempts
- d. Participate with his partner in other verbally-guided
- e. Administer post test at periodic intervals and note progress.
- f. Participate with his partner in games and activities to strengthen laterality concepts.
- Participate with his partner in games and activities to strengthen directionality concepts.



h. Participate with his partner in games and activities to strenghthen spatial relationship concepts.

The partially-sighted or blind student is to:

- a. Perform the test as directed, while concentrating on verbal clues.
- b. Attempt to "feel" the arm and hand position as his accuracy improves.
- c. Prarticipate in other verbally-guided games for laterality, directionality and spatial relationship concepts.
- d. Attempt to throw accurately at the target, using only the kinesthetic "feel" of the arm and hand position.

Devise and Participate in Verbally and Sound-guided Running.

- a. If children are apprehensive, initial runs may be made using a line with a movable handle to guide the child.
- b. The blind student runs 25 yards (verbally-guided) in a lane 36 inches wide. A sighted partner helps the runner stay in the lane by voice cues (e.g., "lean left" or "lean right").
- c. The blind student is guided only by voice or clapping of a sighted partner, with no other verbal cues.
- 3. Devise and Participate in other Verbally-Guided Tests and Activities for the Partially-sighted or Blind Student, Grades 3-12.

Teacher's Role

- a. Devise tests and games for the blind student in grades K-8.
- b Assist and guide the partner in developing tests and devising games that enhance the blind or partiallysighted student's kinesthetic performance, grades 9-12

Student's Role.

The sighted-student is to

- a. Devise tests and games to assess and improve the partner's ability to perform skills that involve movement such as tumbing, and proper body mechanics, bowling, etc., grades 0-12 (e.g., bowling via use of the auditory goal-locate).
- b. Participate with his partner in track and field events, tumbling gymnastics, wrestling, swimming, and weight training.

circassess partner's performance at periodic intervals.

The partially-sighted or blind student is to

- a Perform all tests and games as directed, while focusing on the verbal, kinesthetic, and tactile cues.
- b. Endeavor to develop kinesthetic and tactile abilities to the extent that he can perform the skills without
 verbal assistance.

Safety factor for the Blind: The teacher should use a specific signal-such as a special bell or whistle, that means stop all activity immediately and remain motionless.

4. Devise and Participate in Tests and Games for the Hard-of-Hearing or Deaf Student, Grades K-12.

Teacher's Role.

 Administer the balance, postural orientation, and ocular pursuit test items from the Motor Ability
 Test Battery to students in grades K-8. (Refer to Ocular Pursuit Test cited below.)

Ocular Pursuit Test:

Monocularity, Binocularity, Convergence Test Description:

Holding a pencil 20-24" from the subject's eyes, the instructor moves the pencil horizontally, vertically, diagonally, (both directions) and in a circle. The subject is requested to follow the movements with both eyes, without moving his head. (Move pencils in 18" arc with head as center of circle).

Assessmen	ıt
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tracking horizontally	jerky pattern		
tracking vertically	midline problem		
	loses object		
tracking circle	lazy eye		
Remarks:			
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- b. Devise games to enhance factors listed in "a" above.
- c. Print or type rules of the games.
- d. Demonstrate rules of games.
- e. Pair the deaf students with students that do not have a communication disorder, grades 9-12
- f. Assist and guide partners in developing tests and devising games that enhance the deaf student's balance, postural orientation, and visual scanning ability.

Student's Role.

The partner is to

- Devise tests and games to assess and improve the deaf students balance and use of his eyes.
- b. Notify his buddy "when play ends" during team games.



The Hard-of-hearing or Deaf student is to:

 a. Perform all tests and games as directed, while concentrating on developing his kinesthetic and visual apparatus.

Safety factor for the Deaf: The teacher should use a special signal, (such as, turning off gym lights to Indicate that all students immediately stop all activity and face front of gym.

4. Devise and Participate in Games and Activities for the Autistic Child, Grades K-12.

Teacher's Role.

- Explain and demonstrate various games and activities to strengthen weaknesses indicated on the physical fitness and motor ability evaluations.
- b. Explain and demonstrate activities that the child may like in order to gain his confidence.
- c Review use of the physical fitness and motor ability

Student's Role:

The Autistic child is to

- Perform the test as directed, while focusing on the verbal, kinesthetic, and tactile cues
- b. Endeavor to develop skills and activities to the extent he can perform without verbal assistance.

SUMMARY

The implementation of an individualized physical education program that will benefit the child with communication problems requires a close working relationship between the physical educator, the school nurse, the learning disability specialist and the family physician. The following suggestions will aid the teachers in the attainment of that goal.

- 1. Obtain parental and medical approval for student involvement in the adapted physical education program.
- 2. Obtain a list of approved activities.
- 3. Review the student's medical and academic records.
- 4. Administer appropriate pre-test instrument to gather additional baseline information.
- 5. Prescribe an instructional program based on all information collected. (A recommended teaching strategy is to strengthen those sensory modalities that have not been impaired to compensate for the handicapping condition which is manifested. For example, overdevelop the blind child's ability to hear, feel, and orient his body in space.)
- .6. Counsel the student and explain the values to be derived from participating in the recommended exercises.
- 7. Integrate the student in the regular physical education classes whenever the activity and physical environment are appropriate.



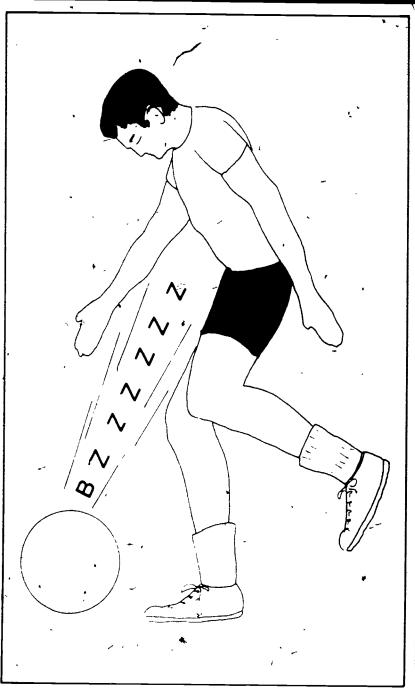


(Courtesy of Coseph's School for the Blind, Jersey City, New Jersey)



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T A P EVALUATION PROCEDURES







T CHAPTER FIVE A P EVALUATION PROCEDURES

Previous chapters have focused on gathering baseline information, assessing performance and prescribing activities. This chapter evaluates student progress at the end of a specific block of time so that a decision can be made regarding subsequent programming. Evaluation differs from assessment in that "assessment" implies the constant gathering of "process" information so that the prescription can be modified as needed; whereas "evaluation" is viewed as the gathering of "product", or terminal information so that an administrative decision can be made.

The first section of this chapter provides suggested guidelines for ascertaining whether a student should:

- 1. Be returned to the unrestricted program.
- 2. Continue in the Developmental Program with the same prescription.
- 3. Continue in the Developmenta#Program with a modified prescription.
- 4. Be scheduled in the unrestricted program and the Developmental Program.
- Other sections describe a procedure for informing parents of their child's progress and provides a summary of the TAPE process based on an actual case study.

SUGGESTED EVALUATIVE GUIDELINES¹

To evaluate pupil progress properly, it is necessary to review all data collected. The evaluation should be conducted every nine weeks. At each terminal period, the teacher should:

- 1. Readminister the Township of Ocean Motor Ability and Physical Fitness Tests.
- 2. Compute MAI's and PFI's
- 3. Readminister all other appropriate informal test instruments
- 4. Record anecdotal remarks regarding process changes
- Compare the pre- and post-test objective and subjective appraisals.

The teacher should always recognize the fact that evaluation is a continuous process and cannot be restricted to a precise testing schedule. It might be advisable to retest a student prior to the pre-planned schedule because of his performance. An interim evaluation insures that the individual prescriptive process is being implemented to the fullest extent.

If a student achieves an MAI or PFI score of 50 or more, with no single component stanine score of less than 4, he is to be released from the D&A program. If these minimal standards are not achieved, further evaluation is necessary. Attempt to discern whether the lack of improvement was attributable to improper prescription. If this is the case, determine why the prescriptive tasks did not improve performance. Were the tasks too easy, too difficult, not performed correctly, or not practiced sufficiently? Represcribe to correct the problem. If the problem is attributable to poor motivation, then prescribe other tasks which focus on the same factors, but may be more appealing to the student. (See Chapter VI for sequential tasks.) Other approaches to solving the motivation problem: make the tasks more meaningful by having students test one another; record their daily progress; and use any other comparable strategy which enables the pupils to note the concrete benefits derived therefrom.

If the student has not achieved the appropriate MAI or PFI score, but shows steady progress toward his goal the teacher may elect to continue the present prescriptive pro-



TABLE 5-1

MOTOR ABILITY PROGRESS PROFILE

(Courtesy of the Township of Ocean School District)

TEACHER COMMENTS

your child has completed nine weeks in our Adapted Physical Education program. However his retrogression in balance (from 90" to 65") suggests he would benefit from continuation in the program.

His performance may be attributable to an inner ear problem. It is recommended that you have your son checked by your family physician to ascertain whether a problem exists and/or activities he wants prescribed.

PARENTAL COMMENTS PARENT'S SIGNATURE John Doe PARENT WISHES CONFERENCE YES **GRADE YEAR** 1974 NO CLASSROOM TEACHER_ Mrs. F. June Graf



ade aware of the prog **PARENTS**

• •	, , , , , , , , , , , , , , , , , , ,	•	PRE-TEST	POST-TEST
	TEST ITEM	HIGHEST POSSIBLE SCORE	YOUR CHILD'S SCORE	YOUR CHILD'S SCORE
	Gross Body Coordination 1. Walk 2. Creep 3. Climb-stairs 4. Skip 5. March-in-place	2 2 2 2 2 2	2 1	2 2 2 1 1 2
ا درورو ا	Total Maximum Points	. 10	·'' 7.	9
	Balance and Postural Orientation 1. Tapered balance beam walk	. 168'	90''	65"
	Eye and Hand Coordination 1. Cach 2. Ball bounce and catch 3. Touch ball swinging laterally 4. Touch ball swinging fore and aft 5. Bat ball with hand 6. Bat ball with bat	3 3 3 3 3	2 2 3 3 3 2 2 1	2
<i>)</i>	Total Maximum Points	18	13	10
	Eye and Hand Accuracy 1. Throw — right hand 2. Throw — left hand Total Maximum Points	9 9	" 6 .3	6
•	, i otal Maximum Points	18	9	12.
· 6.	Eye and Foot Accuracy 1. Kick right foot 2. Kick left foot	9 9	3 2	6 2
· .	Total Maximum Points	· 18	5 .	8
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Case Study: John, a hard-of-hearing student, was referred for testing by his classroom teacher who noticed he had extreme difficulty orienting his body porturally during various class activities. Upon being tested by the D&A teacher, John scored a 90 on the tapered balance beam test.

John's prescription focused on gross body coordination, eye-hand coordination, eye-foot accuracy, and balance-posture orientation, items in which he scored very low on the test. After nine weeks John was retested. It was noted that his gross body coordination scores improved significantly; however, his balance-postural orientation retrogressed. As a result of his performance, John's progress report suggested that since his balance-posture orientation did not improve during the nine-week period, perhaps it would be advisable to have his balancing center in the inner ear checked by the family paysician. A change in prescription was implemented with activities focused on John's balance-posture orientation. After nine

more weeks John was tested a third time. His score on static and dynamic balance rose to 120. Upon the recommendation of the D&A teacher, John was released from the program.

John's case study demonstrates a synthesis of the individualization of a motor activity program via the TAPE process. The process involves:

SUMMARY OF THE TAPE PROCESS

The sequence the teacher uses for individualizing instruction involves:

- T Testing the student to gather baseline data
- A Assessing the individual performance of the student
- P Prescribing a sequentially developed program of individualized activities
- E Evaluating student progress at periodic intervals . \(\)



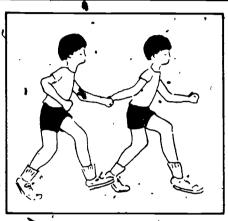




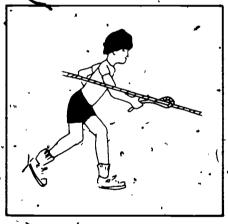
(Courtesy of St. Joseph's School for the Blind, Jersey City, New Jersey.)

RESOURCE TASKS AND ACTIVITIES

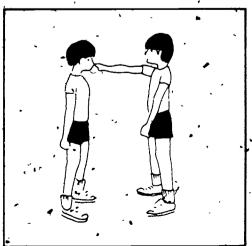














CHAPTER SIX

RESOURCE TASKS AND ACTIVITIES

The tasks and activities in this chapter are structured to provide a cluster of student learning experiences that will enhance the performance of students with communication problems. The chapter includes sections which provide a variety of activities addressed to the following motor and physical factors:

Gross Body Coordination
Balance and Postural Orientation
Eye-Hand Coordination
Eye-Hand Accuracy
Eye-Foot Accuracy
Arm and Shoulder Strength
Abdominal Strength
Explosive Leg Power
Cardiorespiratory Endurance

As the teacher identifies deficiencies; he need only refer to the appropriate section for prescriptive tasks. Although an effort has been made to sequence the tasks from the simple to the complex, they should be used with discretion. The unique needs of each learner may necessitate modifications of either the tasks, or their sequential arrangements. The overriding concern of the educator is to select and prescribe those tasks that will enable each individual to achieve success. (See Appendix G for supply and equipment needs necessary for program implementation.)

GROSS BODY COORDINATION

Gross body coordination is the ability of the child to perform specific overall body movements such as creep-

ing, crawling, walking, and hopping. The specific gross, motor skills presented to enhance individual performance are walking, creeping, marching-in-place, stair climbing, and skipping.

The tasks and activities presented have not been grouped for each handicapping condition to avoid repetitiously presenting the same experiences. Thus, the teacher should select the activities deemed appropriate for each child







Fig. 1 Walk



Fig. 4 Stair-Climbing

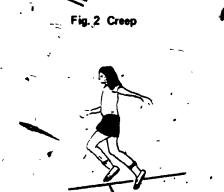


Fig. 5 Skip -

Name: Know Your Body
 Equipment: None

Description: Ask the child to point to the parts of the body (i.e., the foot, ball of the foot, the toes, the arch, and tright leg, left arm, left ankle, right ankle, left knee, and right knee).

g. 3 March-in-Place

Teaching Hints:

- Incorporate identification of various parts of the body into game such as "Simple Simon Says,"
- 2. Name: Walking Forward On A Straight Line of Mats 1 Equipment: Six one-foot square rubbermats, '4 inch diameter circle painted in the center of each square,

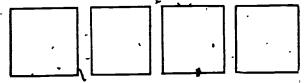


Fig. 6 Walking Forward on Straight Line of Mats

Description: Place mats about six inches apart. Have the child step in the center of each mat in sequence. untikall six mats have been stepped on. Indicate which foot to start with.

Teaching Hints:

- Space mats according to the size of the children.
- Use different colored mats.
- 1 H.D. Bud Fredericks et al. The Teaching Research Motor Development Scale: For Moderately and Severely Retarded Children, p. 12

- If mats are not available, use any material to construct square such as tape, paper, white shoe polish, etc.
- If the child has trouble differentiating left from right, mark L for left foot and R for right foot.
- Have the child walk backward using same pattern.
- 3. Name: Walking Forward on Staggered Mats?
 Equipment: Same as above.

Description: Place mats in staggered order. Same procedure as previous task except that steps are not in line.

Teaching Hints:

Same as above.

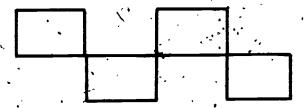


Fig. 7 Walking Forward on Staggered Mats

4. Name: Walking Forward on Footprints
Equipment: Make footprints out of whatever materials
are available.

Description: Space footprints in desired pattern for the child to follow. Demonstrate, then have the child perform welking.

²*Ibid*, p. 13.

- Chalk or white shoe polich can be used to diagram footprints.
- Letter footprints L for left foot and R for right foot.
- Have the child walk backwards.
- Change pattern: Example, semi-circle, circle, space footprints further apart, etc.
- Change footprints to stepping stones, bear tracks, etc.

5. Name: Walking Forward

Equipment: Straight line(s) approximately one inch

Description: Have student walk forward on a straight line which is on the floor. The length of the line is predetermined by the teacher.

Teaching Hints:

- Use existing lines on gym floor.
- Use appropriate tape, white shoe polish or chalk to construct lines if there are no existing lines on the floor.
- If the child has difficulty with walking on one inch line, use a wider line.
- Have the student walk backward along the line.

6. Name: Knee Walking

Equipment. Small, rubber pads...

Description: Children assume knee position. Space rubber mats so that each child can walk on pads using knees.

Teaching Hints

- Use different color pads.
- Use R for right knee and L for left knee when needed.
- Use child's imagination by traveling through woods, stepping stones over water, etc.

7. Name: Creeping with Handprints

Equipment: Handprints made out of whatever material is accessible.

Description. Have the child assume hands and knees position (creeping staffee). Space handprints in desired pattern for child to follow when

Teaching Hints

- Use imagination in laying out the pattern for children.
- Construct path through simple obstacle course (e.g., a tunnel, low fence to go under, slight incline, slight decline, etc.)

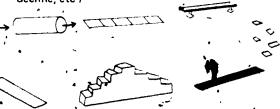


Fig. 8 Obstacle Course

8. Name: Directional Cresping

Equipment: Mat

Description: Child assumes hands and knees position (creeping stance) and follows directions of the teacher.

Base directions on what the child understands and can perform.

Teaching Hints:

- Be safety conscious.
- Make student(s) safety conscious.

9. Name: Bear Walk

Equipment: Mat

Description: Child assumes hands and knees position. Signal child to move like a bear. Have the child move right leg and right arm and then left leg and left arm. Walk slowly and stress to the child that he is a bear.

Teaching Hints:

 Use child's imagination, for example, walking through the woods.

10. Name: Creeping Backward and Sideward

Equipment: Mat

Description: Child assumes creeping position. Demonstrate how to move backward. Have the child move backward. Demonstrate how to move sidewards. Have the child move sidewards.

Teaching Hints:

 Observe and record homolateral and bilateral problems, i.e., coordinating the use of the extremities on the same side and opposite sides of the body.

11. Name: Creeping Through Obstacle Course.

Description: Use tunnel (rolled up mat), slant board, stepping stones, winding path, circle path, etc. Child assumes and moves in a creeping position through the obstacle course.

Teaching Hints:

 Vary methods used, for example, creep forward, backward crawling, rolling, etc.

12. Name: Marching-in-Place

Equipment; Record or musical instrument.

Description: Explain and demonstrate how to marchin-place. Have the child respond as follows:

- Stand up/straight.
- Lift left leg up, hip high, then place left leg op floor.
- Lift right leg up hip high, then place right leg on floor.
- Up with the left leg and down with the left leg.
- Up right leg on count of one and down on count of two.
- Up left leg on count of three and down on count of four

- Use slow and fast cadence.
- Have children run in place, then slow down.
- Tell boys they are football players getting in shape ##
- Tell gmls they are practicing cheerleading.

13. Name; Climbing Stairs

Equipment: Stairs, bench, gymnasium bleachers.

Description: Explain and demonstrate how to climb stairs. Have the child respond as follows:

- Stand up straight.
- Raise right arm and left leg, and plant left foot on landing of first stair.
- Raise left arm and right leg, and plant right leg on landing of second-step.
- Continue until all stairs have been completed.
- Have the student climb down the starrs.

Teaching Hints:

- Stress the use of all four limbs.
- Have the child learn to pull up with arms and push with legs.
- Have the child climb in a straight line and keep his body in the direction of the climb.

14. Name: How Many Ways Can We Walk?

Equipment: None

Description. Arrange the children in any formation (e.g., circle, line, or at random). Caution children to avoid colliding with other children. Ask the children, "How many different ways can we walk?" Ask the children to:

- Walk anywhere in the gymnasium without touching anyone.
- Walk backward anywhere in the gymnasium without touching anyone.
- Walk as if you are happy.
- Walk as if you are sad.
- Walk véry quietly.
- Walk as if you are carrying a big heavy box.
- Walk as if you are barefoot walking on hot sand.
- Walk as if you are barefoot and walking on pebbles.
- Walk up a steep hill.
- Walk on your toes.
- Wajk moving your arms like a bird.
- Walk making yourself as big.as you can.

Teaching Hints:

- Be safety conscious. Remind the children to be careful and watchful of others.
- Have children work in pairs, then in groups of varying ages.
- Have children think up other ways of walking.
- Devise additional walking variations

15. Name: Ways to Skip

Equipment: Record or musical instrument

Description: Arrange the class in the formation desired (i.e., circle, line, or random formation). Ask the children to

- Skip around the room without touching anyone
- Skip backwards.
- Skip sidewards
- Skip as if you are carrying a large package.
- · Skip quietly.

- Skip slowly.
- Skip with arms held tight to your side.

Teaching Hints:

The same hints as suggested for No. 14. The activities suggested for walking and skipping are classified as movement exploration. Additional movement exploration ideas can be found by referring to Basic Movement Education for Children.

16. Name: Mystery Object²

Equipment: Mystery Object — e.g., large stuffed animal cardboard box, etc.

Description: Instruct student to get in crawling position on hands and knees. Have student search for mystery object. Some students may require a sound clue to locate object without frustration.

Teaching Hints

- This activity works well with a group. See who can be first to locate the mystery object.
- 17. Name: Crawling, Auditory Sound

Equipment: Audi-locator, cassette tape recorder or transistor radio.

Description: Instruct student to get in crawling position on hands and knees. Have student crawl to source of sound. Student should move independently.

Teaching Hints:

This activity works well with a group. See who can be first to locate sound.



Fig. 9 Crawling, Auditory Sound



Fig. 10 Knee Walking

¹Bonnie L. Gilliom, Basic Movement Education for Children – Rationale and Teaching Units, Unit 3, pp. 133-180.

²Tasks 16-26 were developed by Maureen Murphy, St Joseph's School for the Blind, Jersey City, N.J. (Permission to publish granted.)

18. Name: Knee Walking

Equipment: Gym mats

Description: Place two gym mats together lengthwise. Have student kneel on rug with back straight and head upright. Instruct student to walk on knees to end of mats.

Teaching Hints:

Motivation should be provided by placing a "surprise" at the end of the mat — a raisin, toy, or other object of value to the student. This activity may also be done in competition with another student — a knee walking race. Students should be orientated to the end of the mats through sound — e.g., audi-locator, bell, clapping, or teacher's voice.

19. Name: Cross Lateral Walking

Equipment: Strip of rug approximately 3 feet wide to cover length of auditorium.

Description: Instruct student to remove shoes and socks. With an adult on each side of student, instruct student to walk the length of the rug. Adults lightly hold wrists of student and coordinate swing of arms with leg movements. Left foot forward, right arm forward, etc.

Teaching Hints:

This activity is meant to enable the student to experience a free flowing movement pattern in a space which he can trust. After several practice sessions, encourage the student to walk the length of the rug independently while keeping up a steady rhythm. In addition to the rug, a student may be orientated to a sound at the end of the rug.

20. Name: Alternate Arm Swing

Equipment: None

Description: Student stands with back against wall. Arms should be hanging freely at sides, palms touching wall. Instructor stands facing the student. While holding the student's wrists, the instructor establishes the rhythm of alternately swing arms, saying "swing right — swing left" as arms swing forward. As arms swing back, palms should tap wall. When the student has become familiar with the activity, the instructor should establish the rhythm with verbal direction only. Teaching Hints:

It is important that this activity be done in contact with the wall since it provides the necessary feedback of movement.

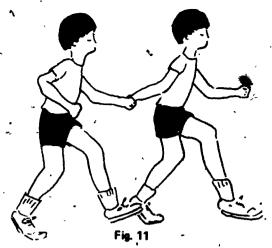
21. Name: Running With A Buddy

Equipment: None

Description: Each student is paired with an adult for a "partner race." Student should hold the hand or upper arm of the adult with whom he is paired. Partners are instructed to run towards the sound of the leader's hand clapping.

Teaching Hints:

This is a good group activity. By running with a sighted



adult the student is able to experience the speed and free flow of movement involved in "normal" running. The adult's movement assures the student that the environment is a safe one in which to run.

22. Name: Running, Auditory Cue

Equipment: Strip of rug stretching across width of auditorium.

Description: Instruct students to assemble at one end of the room. Leader stands, at other end of room behind strip of rug and instructs students to run towards his/her voice until their feet touch the rug.

Teaching Hints:

This activity should follow the one of gunning with a partner. This is a goo'd group activity — running race.

23. Name: Movement to Sound

Equipment: Percussion instrument to establish rhythm — e.g., drum, triangle, guitar.

Description: Have students listen to rhythms for walking, running, and jumping. At first, instructor should identify rhythm for student — e.g., "Listen to the walking music: Walk towards the music." Once the students can identify the movement to be made for each rhythm place rhythms in sequence — walking, running, jumping — in various combinations. Students should shift movement according to rhythm heard.

Teaching Hints:

This is a good group activity. Students may require verbal reinforcement to know what movement is required by each rhythm.

24. Name: Unilateral Movement

Equipment: None

Description: Student lies on back with arms at sides and feet together. Student is instructed to move one whole side — e.g., right leg and right arm.

Teaching Hints:

Student should be sisted in any way necessary in order that the correct response be made — e.g., programming the correct movement, providing tactual clues, and holding down opposite side. Two adults may be necessary for this activity.



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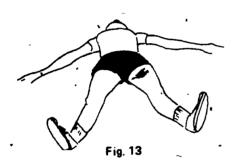


Fig. 12

25. Name: Bilateral Movement

Equipment: None

Description: Student lies on back with arms at sides and feet together. Instructor holds feet of student and moves them apart and together establishing a rhythm and verbalizing, "out and in." After sufficient practice student performs activity independently to instructor's commands. Follow same procedure with arms, moving them until hands meet together over head. Finally combine arm and Jeg movements.



26. Name: Cross Lateral Movement

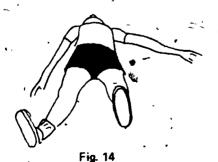
Equipment: None

Description: Student lies on back with arms at sides and feet together. Student is instructed to move left leg and right arm. Student is instructed to move right

📥 leg and left arm.

· Teaching Hints:

Student should be assisted in any way necessary in order that the correct response be made — e.g., programming the correct movement, providing tactile clues, and holding down limbs that are to remain stationary. Two adults may be necessary for this activity.



BALANCE POSTURAL ORIENTATION

Balance is the ability of the child to sustain control of his body when using both sides simultaneously, individually, or alternately.

If a child has good balance, his body can act in an integrated manner, freeing his mind to concentrate on abstract matters.

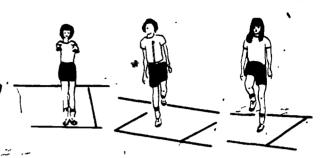


Fig. 15 Balance - Two Feet - One Foot

1. Name: Line Stand " >

Equipment: Line tape on floor.

Description: Child stands on a line with feet apart and parallel. Stands on line, feet and heels together.

Teaching Hints:

Foot positions may be drawn on floor with chalk.

2. Name: Seated Balance

Equipment: Mat

Description: Child sits legs out, arms resting on thighs. Student should be made to maintain seated balance for increasingly longer periods of time.

Teaching Hints:

Teacher may help the student into balance position.

3. Name: Push Balance

Equipment: Mat

Description: Child in sitting position, hands resting on thighs. Gently push the child off balance in each direction. Child regains balance.

Teaching Hints:

Stress shifting body weight to maintain control.

4. Name: Hands, Knees, and Toes Balance

Equipment: Mat

Description^{*}

- Hands knees toes fouching that (six point balance).
- 5-point balance by removing one hand.
- Remove one handland one knee (same side).
- Remove one hand and one knee (opposite side).
- Remove one hand, one knee, one toe (opposite side

 same side).

William T. Braley, Daily Sensorimotor Training Activities, p.

Start with simple balance (6 point) and gradually make the task more complex by reducing the points of body contact.

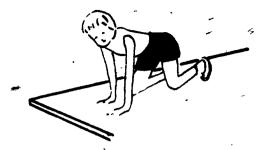


Fig. 16 Six-Point Balance

5, Name: Heel-Toe-Balance

Equipment: Tape or white shoe polish.

Description: Child stands on a line with the toe of one

foot toucking the heel of the other foot. *

Teaching Hints:

Start by using an imaginary line.

6. Name: Tip Toe Balance

Equipment: Mat

Description: From a standing position, the child raises up on toes. Repeat to see how long the child can maintain the balanced position.

Teaching Hints:

Child must have muscle strength to be able to hold balanced position.

7. Name: Step-Through Balance

Equipment: Hula hoop

Description: Child holds a hula hoop in front of him with both hands; steps one foot at a time into the hoop, and brings the hoop up and overhead.

Teaching Hints:

Initial attempts should be performed on a mat.

8. Name: Elephant Walk

Equipment: Mats

Description: Child bends forward from the waist, arms hang limply, hands clasped. Walks forward by taking large steps.

Teaching Hints

Place three or four mats in a line for a longer balance walk.

9. Name: Egyptian Balance

Equipment: None

Description: Child stands feet together, arms straight out, with palms touching. Raises one leg until parallel to floor. Holds position as long as possible.

Teaching Hints:

- Raised foot cannot touch opposite leg: Try first attempt with eyes open.
- Stress body weight is to be shifted to support leg
- Stress balancing on right and left foot.



Fig. 17 Egyptian Balance

10. Name: Ladder Walks 1

Equipment: Ladder and mats:

Description: Lay ladder flat on floor.

- Child walks forward with one foot on each side of the ladder.
- Walks forward on right side of ladder.
- Walks forward on left side of ladder.
- Walks forward, stepping in the spaces between the rungs.

Teaching Hints:

Instructor may have to help the child by holding his hand and walking him through activity.

11. Name: Jump and Turn

Equipment: Mat

Description: Child stands feet together, jumps up, and lands on both feet. 1

- Child jumps *p and lands on one foot.
- Jumps up and does one quarter_turn, and lands on both feet.
- Jumps up and does one half turn, and lands on both feet.

Teaching Hints:

- Instructor may hold hands of the child and jump ,with,him.
- Tape marks on floor will afd with one quarter and one half turns.

12. Name: One Foot Balance

Equipment: Mat .

Description: Child stands on one foot. Holds position for five seconds. Vary tasks — eyes opened and eyes closed.

Teaching Hints:

- Change feet.
- Use arms to help with balance.

13. Name: "V" Sit

Equipment: Mat

 Child sits on mat, raises hands and feet off mat, holding balance.

1William T Braley et al., Daily Sensorimotor Activities,



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- Child sits on mat with legs raised and knees straight.
- Keeps arms straight out and pointed toward toes.
- Locates balance position and holds as long as possible.

Teacher may assist the child to find balanced position.



Fig. 18 "V" Sit

14. Name: "T" Balance

Equipment: Mat

Description: Child stands on one foot with other leg out behind. Bends forward from waist with arms out front, Holds position.

Teaching Hints:

- If too difficult to be accomplished on mat, try on gym floor, but be sure to have a spotter.
- Stress balancing on right and left foot.



Fig. 19 "T" Balance

15. Name: Jump and Balance*
Equipment: Bench and mat

Description: Child jumps from low bench and tries to maintain balance upon landing.

Jump and land in restricted area.

Teaching Hints:

Teacher may hold the child's hand during the jump if necessary.

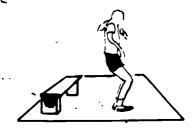


Fig. 20 Jump and Balance

16. Name: Cross-Over Walk Equipment: None

Description:

- Child stands and slides right foot to side, then slides left foot to right. Always keeps right foot leading.
 Child slides left foot to side, then slides right foot to left. Always keeps left foot leading.
- Child crosses left foot in front of right and continues walking. Always bringing left foot in front.
- Child crosses right foot in front of left and continues walking. Always keeping right foot in front.

Teaching Hints:

- Have the child perform the tasks with eyes open.
- Increase the difficulty level by having the tasks performed with eyes closed.



Fig. 21. Cross-Over Walk

17. Name: Walking Activities Involving Balance

Equipment: White shoe polish, balloons, plastic bowling pins, beanbags, and chalkboard erasers.

Description: Put a series of circles down on the floor with white shoe polish and have the child walk through' the row of circles putting his foot squarely in the middle of each circle. The circles should be about six inches in diameter.

Tasks:

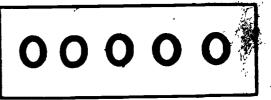


Fig. 22 Walk Through Circles

- Walk backward through the circles on your tip toes, keeping your arms out for balance and looking to see where you are going.
- Walk backward and place each foot squarely in the middle of each circle.
- Walk through the circles and at the same time keep batting a balloon in the air over your head.

- Walk through the circles with a beanbag on top of your head.
- Walk forward and backward through the circles on your tip toes with a beanbag on your head.
- Walk through the circles, stop and balance on one foot, and pick up an object that has been placed on one of the circles.
- Stand on one of the circles and perform a "T" balance.
- Stand on one circle and pick up an object, while performing a "T" balance.
- Stand on one circle and balance yourself on one foot, while touching your raised, outstretched leg with both hands.

- Focus eyes on the task.
- Hold arms outstretched to maintain balance.
- Perform tasks slowly.
- Maintain proper body position at all times.

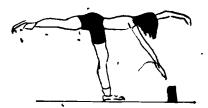


Fig. 23 Picking Up An Object



Fig. 24 Balance: Touch Leg

- Name: Walking Activities on a Balance Beam Equipment: Balance beam, balfoons, plastic pins, chalkboard erasers, beanbags
 - Description:
 - Walk across the balance beam.
 - Walk across the balance beam on your tip toes.
 - Walk backward across the balance beam
 - Walk backward across the balance beam on your tip toes.
 - Walk across the balance beam and at the same time keep batting a balloon in the air over your head
 - Walk backward across the balance beam and at the same time keep batting a balloon in the air over your head
 - Walk forward and backward across the beam with your hands held behind your head.

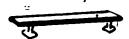


Fig. 25 Batance Beam



1.

Fig. 26 Walking Activities on Balance Beam

- Walk to the middle of the balance beam, stand on one foot, reach over and pick up an object.
- Walk to the middle of the palance beam and pick up an object that is lying on the beam and walk backward to the end of the beam.
- Walk across the beam stepping over objects placed at various intervals on the beam.
- Walk across the beam with an object on your head.
- Walk backward across the beam with an object on your head.
- Stand on one leg in the middle of the balance beam
 with an object on your head for ten seconds.

Teaching Hints:

- Have the child walk slowly across the beam.
- Be ready to assist the child if he needs help.
- It is a good idea to have the students work in pairs — one performs the task while the other "spots."
- 19. Name: Balance Activities, Varying Body Positions Equipment: Mats, stall bench, white shoe polish, tires Description: The child performs the following tasks:
 - Four-point balance (i.e., four parts of the body in contact with four spots on the floor).
 - Three-point balance (e.g., tripod balance).
 - Two-point balance (e.g., squat hand balance, hand balance).
 - A cartwheel.

- Preface the unit with strength-building activities.
- Have all stunts performed, initially, on a mat.



Fig. 27 Tripod Balance



- Use "spotters" for the more difficult stunts.
- Stress maintenance of balanced positions for increasingly longer periods of time.
- Emphasize use of a wider base to stabilize the body. Four-, three-, and two-point balance activities: Add creativity by requesting the child devise varying combinations of contact points with spots on the floor.



Fig. 28 Squat Hand Balance

20. Name: Sitting Posture 1

Equipment: Chair and stone

Description: Instruct student to assume correct posture in chair — student may need to be shown. Have student raise feet from floor until legs are level with the chair. Maintain this posture for approximately ten seconds. Follow same procedure while sitting on stool. Teaching Hints:

This activity provides experience in maintaining balance and postural orientation under unusual circumstances.



Fig. 29 Sitting Posture

21. Name: Sitting, Standing, Walking Posture Equipment: Book or bean bag

Description Place an object on the head of a student who is in a sitting position. Instruct him to hold still and see how long he can keep the object on his head Proceed to standing and finally to walking.

Teaching Hints:

This activity works well with a group. Have students compete against each other. Students who may be fear, ful of the book dropping should use bean bags. Bean bags are easier to balance and should be used with students who experience difficulty with this activity.



Fig. 30 Sitting Posture with Object on Head

22. Name: Rhythmical Swinging

Equipment: None

Description: Students stand facing a partner with arms slightly extended. Holding the hands of their partner, they swing their arms from side to side.

Teaching Hints:

Swinging should be done in rhythm. A simple sorig will help to maintain the rhythm established. Feet should be spread slightly (approximately 6 inches) to provide better balance.

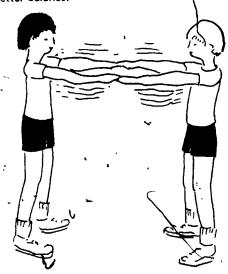


Fig. 31 Rhythmical Swinging

23. Name. Wall Exercising

Equipment: None

Description. Child stands with back touching wall. Instructor recites the following poem, and when necessary, helps the student to perform the action

¹Tasks 20-31 were devised by Maureen Murphy, St. Joseph's School for the Blind, Jersey City, N.J. (Permission to publish granted.)

We stretch to the ceiling (hands upwards)

And reach out to the wall (arms reach out from sides) We bend to touch our knees and toes (knees straight) Then stand up straight and tall. (arms at sides, head

Teaching Hints:

Feedback is provided through contact with the wall. Other stretching exercises may be used to develop posture and balance.

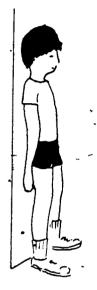


Fig. 32 Wall Exercising

24. Name: Rug Walking

Equipment: Strip of rug - length of auditorium

Description: Students should remove shoes and socks. Instruct students to walk on edge of rug - heel to toe

Teaching Hints

The edge of the rug can be used for activities similar to those suggested for use on the balance beam - with the element of fear eliminated

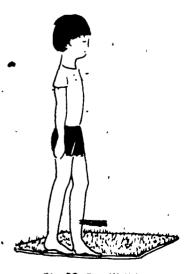


Fig. 33 Rug Walking

25. Name: Walking Barefooted

Equipment: Walking boards of graduated widths - 2" x 8", 2" x 6", and 2" x 4" - eight - twelve feet long

to be held in brackets 2 inches above-floor.

Description: Child should be instructed to feel the texture, width and length of the board. If the board is raised, he should "feel" the space between the floor and the board. In order to provide greater tactile feedback, shoes and socks should be removed. Proceed from wide to narrow, first on floor and then raised. Child should be instructed to walk forward (heel to toe), backward (toe to heel), and to the side, in that

Teaching Hints:

If a child experiences difficulty maintaining balance or is fearful, the instructor should assist.

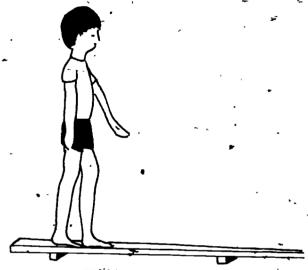


Fig. 34 Walking Barefooted

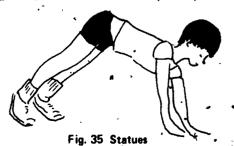
26. Name: Statues

Equipment: Record player

Description: Tell students that they are going to play a game called, "Statues." Explain meaning of word. Instruct students to move in unusual positions to the music. Various possibilities should be shown them by putting them through the motions. When music stops, students are to become "statues" and maintain position for approximately ten seconds.

Teaching Hints: ,

This activity works well with a group. Any appropriate music may be used.





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27. Name: Animals in a Zoo

Equipment: Record player — "Animals in the Zoo" -

Description: Have students listen to and follow instruction on record. Students should be helped in a rung correct positions.

Teaching Hints!

This is a very enjoyable activity which works with a groupe Freedom of expression should be entoyed by the instructor.

28. Name: Loss of Balance

Equipment: Gym mats

Description: Present this activity as a lesson people do fall. Teach child to brace his fall and profits head by extending his arms to floor if falling forward position. If falling backwards, teach student to fall on lower half of body and again to use his arms and hands for protection.

Teaching Hints:

Put a child through motions of falling showing him how to protect himself. Have child practice on gymmat. This activity provides very practical experience and the response of the students has been positive. All safety precautions should be taken to prevent a child from getting hurt during this activity.



Fig. 36 Safety Tasks

29. Name: Bunny Hop

Equipment: Record player — "Bunny hop" record.

Description: Students should listen to song and be instructed to jump or hop (if they are able) at appropriate places throughout the song.

Teaching Hints:

Students should first be instructed to jump in place. If they are able to jump in place, they should be taught to jump forward by holding hand or upper arm of adult who performs action. A rug may be placed 6-12 inches away from the student to provide feedback of having jumped forward onto the rug. Backward jump

should be taught in the same way. Students who are learning to hop should hold onto the back of a chair for balance until they are able to hop independently.

30: Name: Jumping From A Height

Equipment: Large wooden blocks or platform approximately six inches high.

Description: Instruct student to feel the distance from the block to the floor. Instruct student to stand on the block and to jump off while holding the instructor's hands. After-sufficient practice, encourage the student to jump independently.

Teaching Hints: --

As the student becomes more confident height should be increased up to twelve inches. Feet should remain in landing position after jumping.

31. Name: Balance on One Foot

Equipment: Parallel bars or chair

Description: Instruct student to hold onto parallel bars or back of chair and raise right foot. Telk student to try to keep foot raised while you count to 15 – approximately 15 seconds. Provide positive reinforcement for effort and success. Follow same procedure with left foot.

Teaching Hints:

As student's skill increases, (when he can keep his foot raised for 15 seconds while holding), have him attempt task without holding.



Fig. 37 One-Foot Balance

EYE-HAND COORDINATION

Eye and hand coordination involves the integration of both body parts so that the eyes visually steer the hands through space to accomplish a given task. Almost all tasks and activities may be found in one, or a combination of, three categories, that are presented here.

These categories of eye and hand coordination are throwing, catching and striking. The tasks and activities described here provide experience in each of the three



¹ Play and Learn - Games and Dances Set, P.O. Box 415, Highland Park, Illinois.

categories. The activities selected should be based on the needs of the individual student as determined by the objective and subjective assessment.

1. Name: Leadup for Throwing 1

Equipment: One whiffleball on a string per two students, or ball hanging from string on a fixed structure.

Description:

- One partner holds a string with a softball size whiffleball at approximate eye level of his partner. Active partner stands in astride position facing the ball with his throwing shoulder lined up with the ball.
- (For right handed thrower) right leg is back right arm prepared to throw.
- Left leg is forward left arm is raised forward in horizontal position pointing to the ball.
- Student hits stationary ball with right hand.
- Student bits ball with right hand and flings left arm to the rear
- Student hits ball with right hand and steps with left foot (simultaneously) as left arm is flung rearward.
 Teaching Hints.
- Stress development of the total bilateral competency via throwing right and left-handed
- 2. Name: Playing with Balloons
 Equipment: One balloon per student
 Description:
 - Throw balloon in the air (underhanded) and catch it upon return
 - Repeat task while throwing and catching with the sight and left hand.
 - Attempt to keep the balloon in the pur by tapping it with one or two hands.



Fig. 1 Playing with Balloons

Developed by Lawrence A Guardo, Physical Education Teacher, Changellor School, Newark, N J.

- Tap the balloon in the air and call out the name of another student who must tap the balloon.²
- Tap the balloon against a wall.

Teaching Hints:

- "Control" the balloon by gently tapping rather than striking.
- Keep eyes on the balloon at all times.
- Devote equal time to developing the use of the right and left hand.
- 3. Name: Tapping and Catching A Whiffleball (Partnets). Equipment: One whiffleball (softball size) on a string for every two students (string approximately 12" 18" long).

Description: A whiffleball is suspended between two partners (approximately midchest level).

- Pass the ball back and forth and catch with two hands, one hand, and alternate hands.
- Tap the ball back and forth with right hand, left hand, and alternate hands.

Teaching Hints:

- Use woolen ball.
- Vary arc of the ball to increase difficulty of catching and striking.
- Relax as you catch the balf.
- Develop use of both hands.



Fig. 2 Catching Whiffleball

Name: Tapping Whiffleball (Swing or Push Style) 3

Equipment: One whiffleball for every two students.
One rod (wand, dowel, etc.)

Description: Partners stand scattered (facing each other). One partner holds the whiffleball on a string while the other partner holds a rod, wand, etc. The rod is held with one hand at each end.

²William T. Braley et al., Daily Sensorimotor Training Activi-

Gerald N. Getman, Pathway Program 1. Eye-Hand Coordination, pp. 11-25.

- Partner swings ball toward hitter who strikes ball with the center of the rod by using a pushing mo-
- Partner swings ball and hitter strikes ball on rod near his right hand.
- Hitter strikes ball with rod near left hand.
- Hitter continues to strike ball alternating right, left, or center of the rod.
- Hitter taps ball, holding the rod in a diagonal position with left hand up and right hand down.
- Hitter keeps this position and hits with left, center and right section of the rod.
- Hitter changes position so that right hand is up and left hand is down (in opposite diagonal position).
- Hitter strikes ball with right, center, and left portions of the rod.
- Hitter holds rod in a vertical position with the left hand on top and right hand on the bottom.
- Hitter strikes ball with top, center, bottom of rod.
- Hitter reverses position of the hands (i.e., right hand in/top position)
- Hitter strikes ball with top, center and bottom of the rod.



Fig. 3 Tapping Whiffleball

- 5. Name. Batting Whiffleball (Baseball Style)
 Equipment. One paddle. One bat and whiffleball on a string for every two students. One plastic bat or wand, dowel, etc.
- Description: Partners facing each other (standing). One partner holds a whiffleball on 12" 18" string. The other partner holds a paddle (bat, wand, etc.) with two hands, then left and right hand.
 - Partner swings ball towards the other partner who strikes the ball with the bat held vertically.
 - Hitter strikes the ball, holding bat horizontal to floor.
 - Hitter strikes swinging ball with right hand, left hand (using vertical swing and horizontal swing).
 - Partner with bat new stands sideway's to swinger.
 - Hitter strikes ball with near hand (backhand).
 - Batter hits ball with far hand (using horizontal swing).
 - Batter hits ball using both hands, holding bat baseball style.

 As batter becomes more proficient he hits ball base ball style with extended arras.

Teaching Hints:

- Use large ball at first, then gradually smaller ones.
- Paddles or large surface striking implements should be utilized first. Also should be light for quicker swing.
- As batter improves use-thinner implement.



Fig. 4 Batting Whiffleball

- 6. Name: Batting 1
 - Equipment: One bat per each group of students. One large ball, one medium size and one small size. One batting "T" or traffic cone.

Description: One student at bat, others seattered to retrieve balls.

- Using a regular batting stance, student hits stationary ball on ground in front of him.
- Child hits ball off of a batting "T."
- Child bats a ball that is bounced to him.
- Ohild hits a large ball pitched to him (no bounce).

Teaching Hints:

Sequence the four tasks as follows:

- Bat with large hitting surface to bat with small hitting surface.
- Large ball to small ball.
- Stationary ball, slow rolling ball, bouncing-ball to pitched ball (no bounce).



Fig. 5 Batting "T" Practice

¹Bryant J. Cratty, Motor Activity and the Education of Retardates, pp. 147-8.

Name: Serving

Equipment: One ball per student; one paddle per student; one balloon per student.

Description: Stand facing the wall (5-10 feet); the distance from wall will vary with age and size of student (Description is for a right-handed person.)

- With an underhand swing, hit balloon (ball) towards the wall (with your right hand, palm open, first then with fist — palm facing wall.)
- Replat taking a step forward with your left (front) foot.
- Using a paddle, repeat the underhand serve (palm forward.)
- Hit battoon (ball) with overhand stroke (serve) towards all.
- Repeat overhand stroke with body (legs) in astride position.
- Throw ball in the air with an underhand toss and tap it towards the wall with both hands palms facling upward.

Teaching Hints:

- Use balloons or whiffleballs for beginners and very young students.
- Use large size balls first, then reduce size.
- Use light paddles if possible.

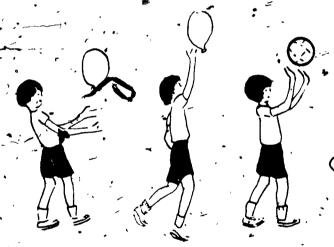


Fig. 6 Underhand Fig. 7 Overhand Fig. 8 Two Hands

8. Name: Ball Rolling
Equipment: One ball for each student,

Description: Straddle-sitting position.

• Roll the ball to the left side, to the right

- Roll the ball to the left side, to the right side using both hands as a guide.
- Roll the ball towards your left leg, and stop it with your left hand.
- Repeat to the right side.
- Roll the ball back and forth (side to side) pushing with one hand and stopping it with the other.
- Roll the ball towards you, using both hands
- Roll it away from you, using two hands.

- Roll it lowards youl using one hand.
- Roll it away from you, using the other hand.
- Rplithe ball towards you, and then away from you, using the right and left hand.

Teaching Hints:

- Stress keeping eyes-on the ball at all times.
- Progress from moving the head and eyes to follow the ball to keeping the head motionless while following the ball.
- Use yarn ball, fluff ball, or styrofoam ball.

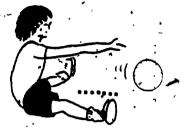


Fig. 9 Ball Rolling, Straddle-Sitting Position

- 9. Name: Ball Rolling (Pushing) 1 Equipment: One ball per student.
 - Description:
 Sifting, tuck position: Roll the ball around your
 - body, roll the ball in and out of your legs.
 Kneeling: Roll the ball around you in a circle, first to the left, then to the right.
 - Roll the ball in between your legs and around you.
 - Roll the ball to a line and trap it-with your hands.
 - Roll the ball in and out of a row of bowling pins or any obstacle course (using one hand).
 - Roll the ball at a target using one hand (bowling pin).
 - Roll the ball and try to hit a target on the wall (using one hand).
 - Roll the ball and try to push it so it rolls into a target (e.g., wastepaper backet).

Teaching Hints:

- Stress pushing the ball slowly to maintain control.
- Emphasize use of right and left hand.
- 10. Name: Rolling and Trapping Balls

Equipment: One ball per student.

Description: Children standing in a line an arms distance apart. A line parallel to the children, 10-15 feet away.

- Roll the ball slowly walk quickly after it and pick it up.
- Roll the ball faster run (or frot) after it and pick' it up.
- Roll the ball towards the line run to the line and trap it.
- Roll the ball towards the line run to the line and pick it up.

1 Marx, Erich, The Ball Primary Book for Schools and Clubs, p.13.



- Roll ball through an obstacle course; then hit target (or stop it).
- Repeat the same activities, but use a paddle, or hockey stick to propel and stop the ball.

- Stress control and accuracy rather than speed.
- Emphasize "eyes on ball" at all times.



Fig. 10 Trapping A Rolling Ball

1.1. Name: Ball Bouncing 1

Equipment: One ball for each student:

Description: Straddle sitting position

- Hold ball head high boonce and catch.
- Bounce the ball, catch two times, three, etc.
- Bounce and catch as many times as you can.
- Bounce the ball, catch it high and low.
- Bounce the ball and clap your hands before you catch it.
- Bounce the ball. See how many times you can clap your hands before you catch it.
- Bounce the ball and clap hands on thighs before
 catching it.
- Throw the ball up (overhead) let it bounce, catch it.
- Throw the ball up again. See how many times you can clap your hands (allowing it to bounce) before you catch it.
- Throw the ball up again. See how many times you can clap your hands before you catch the ball (no bounce)



Fig. 11 Ball Bouncing Straddle-Sitting Position

¹Michael J. Hardistry, Education Through the Games Experience, p.28.

Teaching Hints:

- Use bright colored ball (visual stimulus).
- Use balls with bells or other objects in center (auditory)
- Use balls of various sizes and textures (tactile).
- Use music or other rhythmic device to keep time with the bouncing.
- Have the children devise other ball-bouncing activi-
- 12. Name: Ball Bouncing (Dribbling)

Equipment: One ball for each student.

Description: Standing position.

- Bounce (dribble) the ball with the left hand, the right hand.
- Bounce, the ball with alternate hands.
- Dribble the ball high and low (right, left, alternate hands).
- Dribble the ball and walk forward, backward, sideways, etc.
 - Dribble-the ball high and low as you move around.
- Dribble the ball through an obstacle course.
- Dribble the ball, following a straight line or a circle..
- Dribble the ball and hop, skip, etc.
- Dribble the ball on your right side, left side.
- Dribble the ball around you, first to the left, then to the right.
- Dribble the ball in between your legs and around you.

Teaching Hints:

- Stress pushing rather than batting the ball.
- Emphasize use of both hands.



Fig. 12 Bouncing Ball

13. Namé: Partners Catching

Equipment: One ball for every two students.

Description: Partners straddle-sitting, faeing each other (feet touching).

- Hand the ball to your partner now return repeat several times keeping eye on the ball (two
- Move away from each other (a little) and again hand the ball back and forth (using two hands).
 - Roll the ball back and forth to each other (two hands).



- Trap the ball before you push it back to your part-
- Roll the ball with one hand partner traps it with two hands.
- Roll the ball with the other hand.
- Roll the ball slowly at first, gradually increase speed.
- Push the ball back and forth without stopping it. ,
- Using two hands, throw the ball on one bounce to your partner.
- Using two hands, throw the ball to your partner without a bounce (underhand or push pass).
- Repeat ab ove tasks from the kneeling and standing positions.

- Use large balls initially.
- Use multi-cofor balls.
- Use yarn or fluff ball for all the above except bouncing.

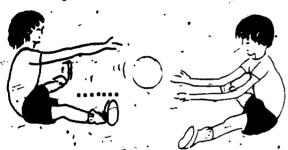


Fig. 15 Pactners Catching

14. Name: Beanbag Activities 1

Equipment: One beanbag per child.

Description: Straddle-sitting position.

- Hold the beanbag in both hands, the left hand, the right hand.
- Mold it on the back of one hand, the other.
- Toss it in the air and catch it.
- Toss it in the air and clap your hands before you catch it.
- Throw and catch it with one hand, the other hand.
- Balance the beanbag on your head, elbow, wrist.
- Balance it on other parts of the body.
- Balance the beanbag on your elbow, and toss it up, and catch it. Try the other elbow.
- Throw it up with your hand, but catch it on the back of your head. Try it with the other hand.
- Throw it up in the air with your hand and try to catch it on your elbow.
- Try to catch it on your shoulder.

Teaching Hints:

- _Use beanbags of different colors.
- "Use vinyl beanbags for easy cleaning.,
- Layne C. Hackett, Movement Exploration and Games for the Mentally Retarded, p. 87.

- Úse different shaped beanbags.
- Make your own beanbags.

15. Name: Beanbag Juggling

Equipment: One beanbag per student, later two for each student.

Description: Standing, scattered position.

- Balance the beanbag on different parts of your body.
- Walk with the beanbag on your wrist, shoulder,-elbow, head, etc.
- With the beanbag on your head and/or on your shoulder(s) walk in a low position.
- Throw the beanbag in the air, and catch it with two hands.
- Try catching it with one hand.
- Catch it low-to the ground. Catch it high.
- Clap your hands before you catch it.
- Catch it with your wrist, elbow, shoulder.
- Hold a beanbag in each hand; throw them in the air and catch them.
- Catch them on the back of your hands.
- Start with a beanbag in each hand. Throw the beanbag in the air with the left hand. Prior to catching the bag with the right hand, release the beanbag from the right hand to the left hand. After the skill is mastered, juggle back and forth.

Teaching Hints:

Refer to No. 14.



Fig. 14 Beanbag Activities



Fig. 15 Beanbag Juggling



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. Name: Newcomb-Volleyball 1

Equipment: One ball per group, one volleyball net on standards, or rope tied to two posts.

Description: Partners or groups evenly distributed on each side of net.

- Using two hands, throw the ball over the net to your partner. Partner catches it and throws it back (two hands).
- Using two hands, tap the ball over the net. Continue.
- Partner taps the ball in the air twice and then taps to teammate. Continue, increasing the number of taps before passing.
- Partners tap the ball back and forth over the net (immediately upon receipt):

Teaching Hints:

- Use plastic or soft rubber ball to avoid injury.
- Use multi-colored balls.
- Have children devise other variations.



Fig. 16 Two-Hand Overhead Tap

17. Name: Patty Cake-

Equipment: None

Description Partners facing each other.

- Clap your hands together.
- Clap your partner's hands (right to left and left to right).
- Clap your hands.
- Clap your right hand to your partner's left hand.
- Clap your hands.
- Clap your left hand to your partner's right hand.
- Clap your hands together.
- Clap your right hand to your partner's right hand.
- Clap your hands.
- Clap your left hand to your partner's left hand.
- Clap your hands.

Teaching Hints

- Répeat, clapping hands twice:
- Make pattern more complex by, including the tapping of thighs

EYE-HAND ACCURACY

Eye and hand accuracy is directly related to eye and hand coordination. It involves throwing objects at a target, striking (or hitting) objects at a target, and throwing an object by using a tool such as a stick, or scoop. Attempting to knock milk bottles from a table, attempting to throw a ball into a goal as in team handball, and shooting at a basket, are examples of the first category (throwing at a target). Putting as in golf, hitting a hockey puck at a goal, or a forehand stroke in tennis are examples of the second category (hitting an object towards a target). An unusual combination of both categories (throwing, and striking at a target with an implement) occurs in the game of lacrosse when a player throws the ball with a lacrosse stick.

The following tasks and activities provide a number of experiences in the first two casegories, throwing an object at a target, and hitting an object at a target with an implement (i.e., bat, paddle, stick, etc.).

1. Name: Throwing for Accuracy'
Equipment: Target (2' square) and, or-line on wall five feet from floor: throwing lines on floor 3', 5', 8', 10'.
One ball for each student. Large balls for two-handed throwing, smaller balls for one handed toss. Students standing at least five inches apart from each other (side

Description: Line formation parallel to wall surface.

- Throw the ball against the wall above the line and pick it up after it bounces on the floor.
- Throw the ball against the wall and catch it after hitting the wall but before it touches the ground.
- Throw the ball at the target and pick it up after it bounces, they repeat and catch it on the fly.
- Gradually, increase the distance from the wall.
- Change to smaller balls and use one hand throw.
- Now have pupils form lines one behind the other.
- Use two hands overhead, for overhead pass. First student throws the ball against the wall and moves to the end of the line as the next student catches it after it bounces.
- Repeat with student catching it before it bounces (student may have to get closer to the wall and, or throw the ball higher).
- Repeat activity using smaller ball and one-handed throw.

* Teaching Hints:

- Teacher could use point system for every successful attempt at hitting target.
- Vary throwing level (e.g., two hands in front of the face for the chest pass).
- 2. Name: Ring Toss

Equipment: Rubber rings and dowels that stand upright.

Description:

Latchaw, Marjorie and Glen Egstrom, Human Movement, pp. 302-303

- Students throw rings at wooden dowels.
- Task No. 1: Students perform as individuals.
- Task No. 2: Pair students and perform competitively.

- Vary distance of dowels in accordance with individual abilities.
- Stress: smooth flowing toss not power, eyes constantly on the target. Bilateral throwing: step with left foot and toss with right hand, or step with right foot and toss with left hand.



Fig. 1 Ring Toss

3. Name: Rubber Horseshoes

Equipment: Rubber horseshoes and dowels that stand upright.

Description:

- Perform the same as description No 2 above. Teaching Hints.
- Refer to No. 2 above.
- 4. Name Partners and Targets 1

Equipment: Hoops, ropes, beanbags, or lines on the floor. One ball for every two students.

Description: Partners facing each other with a target between them on the floor



Fig. 2 Partners Throw Ball at a Target

Marx, Erich, The Ball Primary Book for Schools and Clubs, p

- One partner (A) throws a ball at the target (with two hands).
- Other partner (B) catches the ball after it bounces.
- Other partner (B) throws the ball at the target and partner (A) catches it.
- Repeat using smaller ball, throwing with one hand.
 Teaching Hints:
- Have points scored every time student hits the target.
- 5. Name: Group and Team Games. 2 Throwing at a Target Ball

Equipment: One large ball (or movable target); one mall ball per student.

Description: Two teams approximately ten feet apart with team members standing side by side facing the other team. A ball is placed on the floor halfway between each team?

- Pupils throw their balls at the larger ball.
- Objective is to bit the ball so that it rolls to the other team.
- Students retrieve balls thrown by the other team. 🧆
- Repeat throwing until large ball rolls on, or beyond, either team line.

Teaching Hints:

- Score points for every hit.
- Have another pupil or teacher roll the large ball laterally.
- Students try to hit moving target.

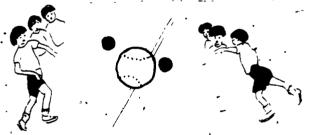


Fig. 3 Teams Throwing at a Moving Target

6. Name: Groups and Target³

Equipment: One hoop for every three students. One ball for every three students.

Description: Students standing three in a line with student in middle holding a hoop in front of him.

- One of the outside students throws the ball through the hoop.
- The other outside student catches ball on the bounce.
- He throws the ball through the hoop.
- Middle student holds the hoop at various heights.
- Students can use overhand and underhand throw.

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² ²Marx, Erich, *The Ball Primary Book for Schools and Clubs*, p.:

³Marx, Erich, *The Ball Primary Book for Schools and Clubs*, b.

- Vary size of the ball and hoop.
- Use beanbags and other throwing objects.
- Award points when ball passes through hoop.

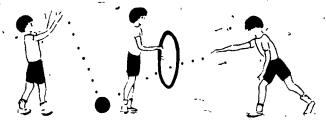


Fig. 4 Throwing Through A Hoop

7 Name: Grid-Tossing Game 1

Equipment. One beanbag per student, one hoop per group; paperbasket, or floor grid for target.

Description Individuals scattered or grouped in a circle with hoop in center Groups in line side by side facing hoop.

Hoops and Grids:

- Student stands near hoop and throws beanbag in hoop
- Student moves back a few steps and repeats.
- Student should use both overhand and underhand toss.
- Student should use shot put basketball type throw.
 Baskets
- Repeat the above with a basket instead of a hoop.
- Student moves back gradually
- 'Use large baskets at first with small balls
- Use smaller size baskets with larger balls
- Raise, targets (baskets) to various heights to approximate height of pupils.

Teaching Hints:

- Have students use two hands when throwing.
- Have students use one hand
- Vary by having students toss beanbags at specific numerals on floof grids.



Fig. 5 Grid-Tossing Game

Bryant J. Cratty, Active Learning p. 99

8. Name: Throwing at Targets 2

Equipment: One beanbag or ball per student; one target (clown with holes for mouth, eyes and nose).

Description: Scattered, or on a line side by side facing target.

- Throw beanbag at large holes, theh smaller holes.
- Move back and try to throw beanbag into openings.
- Use various throws underhanded, overhand, sidearm, shotput, basketball type.
- Have students devise their own way to throw at the target.

Teaching Hints:

- Use balls after the beanbags.
- Use other types of throwing objects: fluffballs; whiffleballs; etc.

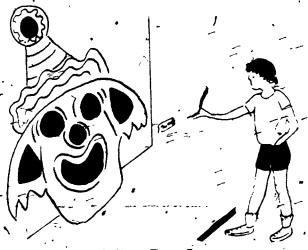


Fig. 6 Clown Target Face

9 Name: Hitting for Accuracy

Equipment: One ball per student, one-bat (or similar. 4001) per student. One target cone, beanbags, etc.

Description:

- With ball on floor, student hits ball at target using
 baseball or golf swing.
- Student uses one hand swing first, then two hands
- Student attempts to hit ball into a target (three or four beanbags forming a circle or square), or opening of traffic cone.
- Raise ball off floor (use small traffic.cone) and repeat above tasks.

Teaching, Hints:

- Use different size balls
- Use balls of varying weights
- Úse different type hitting sticks

Marx, Erich, The Ball Primary Book for Schools and Clubs,

p 3,6

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10. Name: Hitting for Accuracy Using Circle Games¹ Equipment: One to three balls pen group of students. Description: Students straddle-sitting in a circle with feet touching. Students straddle-standing in a circle, feet touching.

Sitting:

- Six to eight students in a circle.
- Place one, two, or three balls in the circle. Start with one.
- Students attempt to hit the balls so they touch the legs of the other students.
- Students try to keep the balls from hitting their legs.

Standing:

- Six to eight students standing in a circle.
- Place one to three balls in the circle.
- Students attempt to hit the balls so they go through the legs of other students.
- Students aftempt to her the ball from going through their legs.

Teaching Hints:

- Vary by having students kneel, or squat in a circle.
- Begin the activity with one ball, then two, and three.
- Use large balls first, then smaller ones.



Fig. 7 Circle Game -

EYE-FOOT ACCURACY

Eye and foot accuracy involves the integration of both body parts so that the eyes visually steer each foot through space to strike given objects. The main areas involved in this activity are striking (kicking) with the foot and hitting a predetermined area or target. The tasks and activities in this section provide a sequential approach to strengthening the integrated response.

1. Name: Spot Walking

Equipment: White shoe polish, rubber rings, playground balls.

Description: Lay down a series of "spots" on the floor with tape or shoe polish. Have the child walk on the spots making sure they step on each one.

Teaching Hints:

- Demonstrate how you want it done.
- Walk the child through the spots emphasizing that he must touch each one.
- Have the child walk on his toes.
- 2. Name: Wall Spot Touching

Equipment: Tape or white shoe polish.

Description: Put a row of three spots on the wall six inches apart. The height of the spots should be about three feet, or whatever is appropriate for the child.

- Have the child to mis back and hold his leg up in the air so that his foot is about six inches away from the middle spot on the wall.
- On command have the child alternátely touch the left, middle and right spots on the wall.

Teaching Hints:

- Have the child touch the spots with his toes.
- Have the child touch the spots with his heels.
- Have the child use both feet.

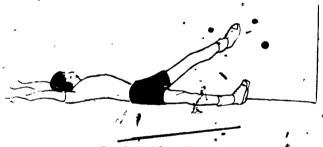


Fig. 1 Wall Spot Touching

3. Name: Spot Kicking

Equipment: Shoe polish or tape.

Description: Child stands facing the wall.

- Put a spot on the wall with either shoe polish or tape
- The spot should be about four inches up from the floor.
- Have the child stand where he is most comfortable and kick the spot with the right foot and left foot.
- Teaching Hints:
- Initially emphasis should be placed on striking the spot with any part of the front of the foot. Then have the child strike the spot with toe, instep, inside of foot and outside of foot.
- Proper balance while kicking should also be noted by the teacher.
- 4. Name Ball Kick Off Tee

Equipment: Playground ball and rubber ring.

Description: Child stands with ball in front of him.

¹Marx, Erich, *The Ball Primary Book for Schools and Clubs,* . 35

- Put playground ball on a rubber ring.
- The student kicks the ball off the tee (right and left foot).

- Proper kicking form should be emphasized.
- Put a spot on the ball and have the student kick the spot on the ball (no target-area involved).



Fig. 2 Ball Kick Off Tee

- 5. Name: Ball Kick to Wall
 - Equipment: Playground ball, rubber ring, shoe polish or tape.

Description:

- Student, executing proper kicking technique, kicks a playground ball off a rubber ring against a wall.
- Student should try to hit the same general area on the wall-(right and left foot).

Teaching Hints

- The teacher should emphasize proper balance and kicking technique throughout.
- 6. Name: Ball Kick to Spot on Wall

Equipment: Tape or white shoe polish, playground ball, rubber ring.

escription: A large square (one yard square) is drawn on the wall with either tape or shoe polish.

Student kicks a playground ball off a rubber ring and hits the square (right and left foot).

Teaching Hints:

Vary the distances from the wall.

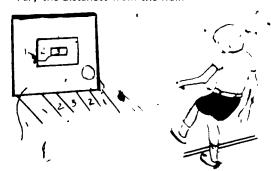


Fig. 3 Batl Kick to Spot on Wall

7. Name: Ball Kick at Bowling Pin Equipment; Balls, bowling pins

Description

Kick ball off rubber ring at plastic or wooden bowling pin (right and left foot).

Teaching Hints:

- Always have student kick the ball in the same spot.
- Vary the distance.
- Award a point each time the student knocks the pin down.

8. Name: Ball Kick into Basket

Equipment: Playground ball, rubber ring, wastebasket. Description:

 Kick a playground ball off a rubber ring into a wastebasket lying on its side with the opening facing the student (right and left foot).

Teaching Hints:

- Have the student vary positions kick from in front directly into the center of wastebasket, kick from the left side, kick from the right side.
- Vary the distances.
- Emphasize proper balance and technique.
- 9. Name: Ball Kick Between Pins :
 Equipment: Playground ball, rubber ring, two bowling pins.

Description:

 Have student kick a playground ball off a rubber ring between two bowling pins that are two feet apart. The object is not to knock down the bowling pins (right and left foot).

Teaching Hints:

- Vary the distance.
- This can be played with a partner, pins set up between them with the students taking turns.
- Emphasize proper balance and technique.



Fig. 4 Ball Kick Between Pins

10 Name: Kick Suspended Ball .

Equipment: Large whiffleballs suspended from overhead support.

Description:

- Student kicks stationary ball with right and left foot.
- Student kicks moving ball with right, and left foot. Teaching Hints:
- Adjust height of whiffleball so that the contact is made during various leg positions.
- Permit kicking a moving ball only after the child
- achieves success with the stationary task.
- Increase the difficulty of contacting the moving whiffleball by releasing it in an arc.



Fig. 5 Kick Süspended Ball

11. Name: Punt Ball into Air

Equipment: Ball Description:

 Have student punt the ball over his head and catch it when it comes down (right and left foot).

Teaching Hints:

- Have student hold ball waist high.
- Stress placing the ball on the toe not dropping it down.
- Emphasize follow-through and extension of kicking leg.
- Emphasize control not kicking for distance.



Fig. 6 Punt Ball into Air

- 12. Name: Kick A Ball Rolled to the Student Equipment: Playground ball Description:
 - Roll a playground ball to the student and have him kick it back to you with right, then left foot.

Teaching Hints:

- Emphasize proper balance and technique.
- Vary the kicking distance.
- Stress keeping eyes on the ball until it leaves the foot.
- 13. Name: Kick A Rolled Ball into a Basket Equipment, Ball, basket

Description:

Have student kick a ball that is rolled to him into a
wastebasket turned on its side, with right and left
foot.

Teaching Hints:

- Emphasize proper balance and technique.
- Have the basket situated on left and right sides of the person rolling the ball.



Fig. 7 Kick Ball into Basket

14. Name: Run and Kick Ball into Basket

- Equipment: Ball, basket

Description:

Roll a ball along the ground.

Have student run next to it.

When the ball rolls past the basket, the student tries to kick the ball into the basket.

Teaching Hints:

Emphasize proper balance and technique

Explain that the student must wait until the ball colls in front of the open basket.

15. Name: Kick A Bouncing Ball

Equipment: Ball

Description:

Have student drop a ball and kick it as it leaves the floor (right and left foot).

Have partner toss the ball gently so that it bounces to the kicker (right and left foot).

Have the child perform the first two tasks with an added dimension — a target area.

Teaching Hints:

Emphasizes proper balance and technique.

Stress the importance of keeping the eyes on the ball until it leaves the foot.

Follow sequence until success is attained at each level.

16. Name: Kick A Thrown Ball at a Wall Square Equipment: Ball, tape or white shoe polish Description:

The student kicks a thrown ball, about knee high, at a square on the wall (right and left foot).

Teaching Hints:

Emphasize proper balance technique.



· Fig. 8 Kick Bouncing Ball

ARM/SHOULDER STRENGTH¹

1. Name: Puppy Dog

Equipment: Mat ---

Description: Have the student assume a "puppy" posi-

tion on the mat. On command, the student:

- Raises and extends his left hand forward and places it on the mat.
- Brings left knee forward.
- Repeats movement with his right hand and right leg.
- Repeats the task.

Teaching Hints:

- Tell the student he is a puppy and he is to use his imagination in moving.
- Have "puppies" move to various auditory stimuli, i.e., bongos, hand clapping, music, etc.



Fig. 1 Puppy Dog

2. Name: Turtle Walk

Equipment: Mat

Description: Have the student assume the "turtle" position, with hands, knees and toes touching the mat.

On command, the student:

- Moves left knee forward to heel of left hand.
- Extends right hand forward and places on the mat.
- Brings right knee forward in line with left hand: Repeat.

Teaching Hints:

- Refer to No. 1 above.
- 3. Name: Frog Hop

Equipment: Mats, Shoe Polish

Description: Have the student assume the "frog" position on the mat. On command, the student:

- Extends both hands forward and places them on the mat.
- Transfers body weight to arms,
- Lifts both feet simultaneously and places them be hind the heels of the hands (hopping fashion).
- Repeat

Teaching Hints:

Vary the task by placing a series of patterns on the floor for the students to follow.



Fig. 2 Frog Hop

4. Name: Crab Walk

Equipment: None

Description: Have the student sit on the floor and assume a "crab" position, with his hands placed adjacent to his buttocks. On command, the student:

Raises his trunk from the floor so that body weight is supported by the hands and feet.

- Moves forward.
- Moves backward -
- Moves sideward.

Teaching Hints:

- Stress moving slowly at first, taking short steps, and keeping the body off the floor.
- Introduce the game of "crab soccer" as soon as the students become proficient "crab walkers." Crab soccer involves two teams who face each other in the crab sitting position. The object of the game is to propel a large cage ball across your opponent's end line.



Fig. 3 Crab Walk

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Fig. 4 Crab Soccer



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Refer to Appendix G for necessary supply and equipment

5. Name: Seal Crawl

Equipment: Mát

Description: Have the student assume a "seal" position by lying face down on the mat. On command, the student:

- Places his hands under his shoulders, with palms down and elbows bent.
- Raises his upper body, by straightening his arms.
- Travels forward by alternately extending the arms and dragging the legs.

Teaching Hints:

- Have the students make seal sounds as they move.
- After the skill has been mastered, add the competitive element by conducting seal races.

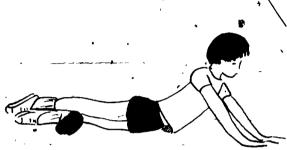


Fig. 5 Seal Crawl

6. Name: Inch Worm Equipment: None

Description: Have the student assume a "worm" position by lying face down on the floor, with the arms extended forward and the palms of the floor. On command, the student

- 'Walks" the legs toward his hands, keeping the hands and forearms in place until the body forms a bridge.
- 'Walks' the arms away from the feet until the body is in the original position.
- Repeat the tasks

Teaching Hints

- Demonstrate the task before having students perform.
- Encourage "walking" forward as far as possible to create a "high bridge."

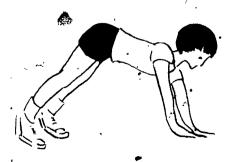


Fig. 6 Inch Worm

7. Name: Cheese 1

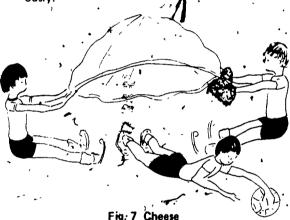
Equipment: Parachute (mousehouse), two-four balls of any size (cheese).

Description: Students form a circle around a parachute and hold the edges. One student is selected as the mouse, another student is the cat. The object of the game is for the cat to catch the mouse before the mouse brings all of the cheese (the balls) into his house. On the command:

- "Up" the parachute is lifted and the mouse leaves his house in an effort to retrieve the cheese while the cat tries to catch him.
- "Down," the parachute is lowered. If the cat catches the mouse, he has the option of becoming the mouse (and select a new cat), or selecting a new mouse. If the mouse gets all the cheese in his house, he may select a new cat, or be the cat and select a new mouse.

Teaching Hunts:

- Increase time the "house" must be held in the "up" position.
- Make the task more strenuous by requiring the students to raise and lower the parachute continuously.



8. Name Hand Push Equipment None

Description: Pair two students and have them face one another, toe to toe. On command, both students:

- Place their hands in front of their shoulders, with palms facing away from their bodies, in contact with the partner's hands.
- Exert maximum pressure against each other's hands.
- Relax.
- Repeat.

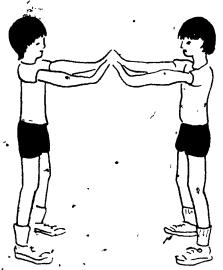
Teaching Hints:

- Pair students according to size and strength.
- Remind students to keep their feet in place at all stimes.



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Devised by first grade classes at the Atan B. Shepard Elementary School, Madison Township, New Jersey.



ig. 8 Hand Push

9. Name, Wall Push-up Equipment None

> Description: Have student assume a standing position facing the wall, with the toes six to twelve inches from the wall. On command, the student

- Places his plams on the wall, shoulder height, with his hands shoulder width apart.
- Leans forward and flexes his elbows until his chin touches the wall.
- Returns to the starting position by extending his
- Repeats the exercise.

Teaching Hints.

- Stress proper body alignment at all times to prevent postural problems, (Proper ja magnit implies straight back, with the neck and had directly over the shoulders.)
- Increase the difficulty of the task strength develops by increasing the distance of the freet from the wall and/or the spacing of the hands on the wall.



Equipment: Mat

Description: Have the student assume a six-point stance on 'the mat (i.e., toes, knees, and palms of the hands in contact with the mat). On command, the-

- Lowers his body to the floor by bending his elbows until his chin contacts the mat.
- Returns to the upright position. .
- Repeats the exercise.

Teaching Hints:

- Stress proper body alignment throughout the movement. 1
- Increase the difficulty of the task as arm strength develops by placing the hands farther forward, increasing the space between the hands and/or increasing the number of repetitions.



Fig. 10 Modified Push-Up

11. Name. Stall Bar Bench Push-up '

Equipment: Stall Bar Bench, or Stool

Description. Have the student assume a regular pushup position, with hands grasping the sides of the bench. On command, the student:

- Lowers his body until his chest contacts the bench.
- Returns to the original position by extending his armś,
- Repeats the exercise.

Teaching Hints

Reduce the height of the bench to increase stress on the arms and shoulder gitale.



Fig. 9 Wall Push-Up

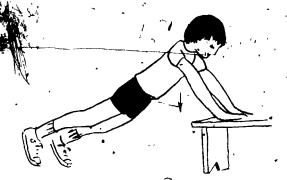


Figure 11 Stall Bar Bench Push-Up

12. Name: Regular Push-up

Equipment: None

Description: Have the student assume a regular pushup position on the floor, with palms of the hands directly under the shoulders. On command, the student:

- Lowers his body, until his chest touches the floor.
- Returns to the upright position.
- Repeats the exercise.

Teaching Hints:

- The difficulty of the task can be increased by: moving hands forward, increasing the space between the hands and/or raising the level of the feet above the hand position (e.g., inverted push-up).
- Remind student to touch chest rather than chin to the floor.

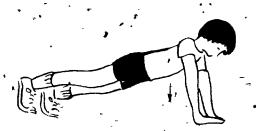


Fig. 12 Regular Push-Up

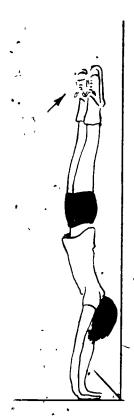


Fig. 12a Inverted Push-Up

13. Name: Overhead Ladder Traveling Equipment: Overhead Ladder

Description: Have the student jump and grasp a ladder rung with an overhand grip. On command, the student:

- Releases the rung with his right hand and grasps the second rung with the right hand.
- Release the rung with his left hand and grasp the second rung with the left hand.



Fig. 13 Overhead Ladder

14. Name: Parallel Bar Traveling

Equipment: Parallel Bars

Description: Have the student jump to a support position, with the arms extended. On command, the student:

"Hand walks" the length of the bar.

- Apply hand chalk
- Shift body weight to the side opposite the hand being lifted to permit ease of movement.
- Raise the forward end of the bar to make the task more difficult.



Fig. 14 Parallel Bar Traveling



15. Name: Static Arm Hang

Equipment: Pull-up Bar, Stall Bar Bench

Description: Assist the student to the flexed arm hang position on the bar, with overhead grip and head above the bar. On command, the student:

Endeavors to maintain the flexed arm hang position for as long as possible.

Teaching Hints.

- Use of a stop watch will permit the teacher to "time" the student's performance. Start the timer when the student assumes the flexed arm hang position; stop the timer when the arms are completely extended.
- The task can be made easier by having the student use the underhand grip (i.e., palms facing toward the body).
- Use hand chalk.



Fig. 15 Static Arm Hang

16. Name Pull-ups

Equipment, Pull-up Bar

Description: Have the student grasp the bar, overhand grip, with his body extended and feet off the floor. On command, the student

- Pulls with his arms until his chin is above the bar.
- Lowers his body until his arms are completely ex-
- Repeats the exercise.

Teaching Hints

- Dise of the underhand grasp will make the task
- Stress full arm extension before starting the next pull-up.
- Use hand chalk.

17. Name: Parallel Bar Dips

Equipment: Parallel Bars

Description: Have the student jump to a cross support position on the parallel bars. On command, the student:

- Lowers his body by flexing his arms until his shoulders contact the bars.
- Return to the cross support position. Repeats the exercise.

Teaching Hints:

- Use hand chalk.
- Extremely difficult task. If the student cannot perform, start with on partial flexing of the arms.
- Vary the task by having the student perform "swinging dips" (i.e., flexing the elbows on the forward swing and extending the elbows as the bódy moves to the rear).

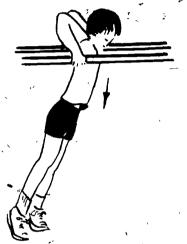


Fig. 16 Parallel Bar Dips

18. Name: Shoulder Shrugs

Equipment: Barbell, Weights

Description: Have the student grasp a the bell with the overhand, grip, stand upright, with the arms extended and the barbell resting on the thighs. On command, the

- Raises the barbell by lifting his shoulders while maintaining the arm extension position.
- Adducts shoulders (brings shoulder blades gether). .
- Maintains raised and adducted position for five seconds.
- Returns to original position.
- Repeats the task.

- Tell the student to try to touch his ears with his shoulders.
- Emphasize arms straight at all times.
- When the skill is mastered, include the proper breathing procedure (i.e., inhale during lifting phase and exhale during lowering phase).
- Adjust weights according to individual needs



Fig. 17 Shoulder Shrugs

19. Name: Curl-Up

Equipment: Barbell, Weights.

Description: Have the student grasp the barbell underhand and assume a standing position, with feet shoulder width, arms extended and the barbell tresting on his thighs. On command, the student

- "Curls" the barbell upward, by Hexing his arms, until it touches his chest
- Lowers the barbell, by extending his arms, until it touches his thighs.
- Repeats the task.

Teaching Hints.

- Avoid "arching" the back to prevent injury. The teacher can minimize this problem by having the student stand with his back to a wall.
- Emphasize full extension of the arms, when the weight is lowered.
- Add the proper breathing procedure when the skill is mastered.
- Adjust weight according to individual needs.

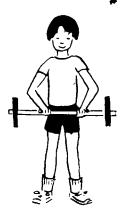


Fig. 18 Curl-Up

20. Name: Reverse Curl-Up
Equipment. Barbell, Weights
Description. The same process

Description The same procedure as when performing-curl-ups except the student grasps the barbell with an overhand grip. ε .

Teaching Hints.

- The same as for curl-up exercise.
- The overhand grip places more emphasis on devel oping the strength of the wrists and forearms.

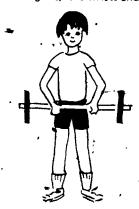


Fig. 19 Reverse Curl-Up

21. Name Overhead Press

Equipment: Barbell, Weights

Description: Have the student grasp the barbell with an overhand grip and raise to the shoulder support position, i.e., feet shoulder width apart and the barbell resting against the upper chest. On command, the student:

- Raises the barbell to the full arm extension position.
- Maintains the position for five seconds.
- Returns the barbell to the original position.
- Repeats the exercise.

Teaching Hints:

- Preface task by teaching the student "how" to lift the barbell from the floor properly (i.e., raising the weight by extending the legs, with a straight back).
- Place a "spotter" on both sides of the "lifter"-and have them ready to grasp the barbell if the student weakens.
- Minimize "arching" of the back.
- Adjust weights according to individual needs.
- Add weights as the student attains a pre-determined goal.



Fig. 20 Overhead Press



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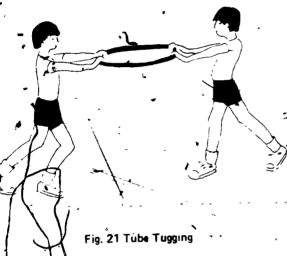
22. Name: Tube Tu

Equipment: Bicycle Tire Tubes, Goal Markers, Mats Description: -Set goal markers 30' apart 2 yards wide. Place mats beyond the goal markers. Have two contestants grasping a tube in the center between the goals. On command, the contestants

- Lift the tube and begin tugging.
- Endeavor to place one-foot beyond and between one of their goal markers.

Teaching Hints:

- Record one point each time a student steps overs and between his goal markers
- Establish a time limit for equally matched con-
- Place mats to prevent injuries



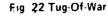
23. Name Tlug-Qf War quipment Long heavy rope with large loops at each

Description Place a team of 6 to 12 members at each end of the rope me last team member is inside the loop of rope at each end Upon signal, the contestants

 Tug until one team can pull the other team beyond pre determined distance

Teacriling Hints

- Conduct on grass to minimize accidents
- Be alert and call "time" it any player loses footing and falls'down



24. Name: Scooter Race

Equipment One Scooter Per Student

Description: The students lie on scooters in a prone position behind the starting line, with the scooters positioned under their hips, the students legs are extended-rearward or bent upward. On command, the students:

- Propel themselves forward by using both hands
- Stop when they cross the finish line

Teaching Hints

- Award team points to increase the competitive
- Make the task more difficult by requiring the use of only one hand.
- Disqualify those students whose feet touch the floor.



Fig. 23 Scooter Race

25 Name' "Pullovers"

Equipment Barbell, Weights, Mat Description Have the student lie in a supine position, with arms extended overhead. On command, the

- Grasps the barbell, with the arm fully extended
- Moves the barbell forward until it touches the
- Returns the barbell to the original position
- Repeats the exercise

- Have student observe the contraction of the chest muscles as the barbell approaches thighs - development of back muscles as the barbell nears the mat
- If necessary, make the exercise achievable by having the student flex the arms slightly or use minimum
- Max mize repetitions and minimize weight of barbell to increase expenditure of energy
- Minimize repetitions and maximize weight of barbell to increase muscle bulk
- Minimize "arching" of the back

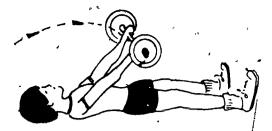


Fig. 24 Pullovers

ABDOMINAL STRENGTH

1. Name. Belly Dance-Equipment. Mats

Description. Have student lie on back, legs extended, place hands on abdominal wall, and contract muscles of the abdomen; then, relax muscles.

Teaching Hints:

- Concept to stress is that working muscles can be felt.
- Tary task by performing in a standing position.
- Place table tennis ball on abdomen and try to roll the ball off the stomach by contracting and relaxing the abdominal muscles.

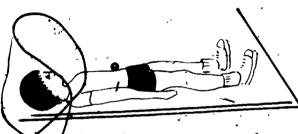


Fig. 1 Belly Dance

2. Name: Alternate Knee Bend Equipment. Mats

Description: Have student lie on back with his legs extended and hands placed behind head. On command, have student

- Bring right knee up to chest.
- Return to starting position
- Bring left knee up to chest.
- Return to starting position
- Repeat.

Teaching Hints:

Place hands on abdominal wall to feel muscles
 working.



Fig. 2 Alternate Knee Bend

3: Name: Knee Bend

Equipment: Mats

Description. Have student lie on back, legs extended, and hands placed behind head. On command, have student

- Slide feet along mat of floor until heels touch buttocks.
- Return to starting position.

Teaching Hints.

Remind student to keep feet in contact with the floor and to keep lower black flat on the floor by rotating hips downward.



Fig. 3 Knee Bend

4. Name. KneerRaise

Equipment: Mats

Description Have student lie on back, legs extended, feet together, heels on floor, with hands along side of the body. On command, have student.

- Slide feet along the mat until heels touch the buttocks.
- Bring knees to chest, keeping heels close to hips.
- Raise hips by rounding back.
- Hold position for three seconds.
- Return to starting position.

Teaching Hints

Stress "tuck" rather than "arched" body position Increase repetitions as abdominal strength improves!



Fig. 4 Knee Raise

5 Name Knee Circles

Equipment Mats

Description Have student lie on back, knees bent to chest, and hands behind head. On command, have student

- Rotate knees in small circular pattern to the right.
- Reverse direction :
- Rotate knees in alternate circles





Fig. 5 Knee Circles

- If abdominal muscles are weak, have students wrap arms around knees to hold legs in position.
- Increase, the size of the circles as_abdominal strength increases.
- 6. Name: Leg Stretcher

Equipment: Mats

Description: Have student lie on back, knees bent, feet flat on mat, and hands behind the head. On command, have the student:

- Bring right knee to chest.
- Extend right leg to vertical position.
- Lower extended leg to the floor.
- Repeat exercise with the left leg.

Teaching Hints

 Dorsiflex and plantar flex feet to stretch and contract lower leg muscles:

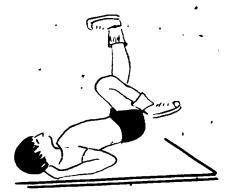


Fig. 6 Leg Stretcher

7. Name: Inverted Bicycle Ride

Equipment Mats

Description: Have student lie on back, knees bent, buttocks raised off mat, with body weight supported by bent arms and hands under hips. On command, have the student:

Teaching Hints:

- Elevate hips until they are above shoulders to maintain proper balance.
- Increase cycling time duration at periodic intervals.

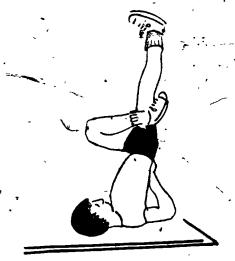


Fig. 7 Inverted Bicycle Ride

8. Name: Partial Curl-Up-

Equipment: Mats

Description: Have student lie in a supine position, hands resting on front of thighs, and elbows straight. On command, have the student:

- Tuck chin in and lift head and shoulders until the shoulder blades are clear of the mat.
- Hold curled position for five seconds.
- Return to starting position.

Teaching Hints:

- Assist student with weak abdominals by holding his feet down and/or pulling him to the partial sit-up position.
- Vary the exercise by having the student perform rhythmically.
- Discourage "straight back" sit-ups as it can be injurious to the lower back.

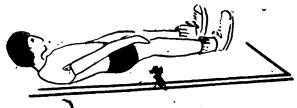


Fig. 8 Partial Curl-Up

9. Name: Curl-Up

Equipment: Mats*

Description: Have student lie in a supine position, with the palms of the hands resting on the thighs, and elbows straight. On command have the student:

- Tuck chin in and title and shoulders off the mat
- Slide palms forward, arms extended, until the fingertips touch the top of the kneecap.
- Return to starting position.

- Stress maintenance of a steady rhythm, keeping palms in contact with the thighs, and only rising to fingertip-kneepap position.
- Have students work in pairs one student performs
 the curl-up, the partner extends one arm across the
 performer's kneecaps and keeps record of the
 number of correct curl-ups.



Fig. 9 Curl-Up

10. Name Reverse Curl-Up

Equipment: Mats

Description: Have the student sit in an upright position on the mat, arms extended, and palms resting on the thighs. On command, have the student.

- Flex the lumbar spine.
- Slowly assume the lying position on the back with the lumbar region touching the mat before the thoracic region.
- Return to the upright position by reversing the process.

Teaching Hints

- Vary the position of the hands according to individual capability. Placing palms of thighs requires less abdominal effort. Placing hands behind the head or overhead creates more abdominal stress.
- The reverse curl-up should be sequenced before the curl-up because the performer is assisted by the pull of gravity in the former task.

11. Name: Bent Knee Sit-up

Equipment: Mats

Description: Have student lie on back, knees bent, feet flat on mat, and hands behind the head. On command, have the student:

- Curl torso up to sit-up position.
- Touch elbows to knees
- Hold sit-up position for five seconds.
- Return to starting position.

Teaching Hints:

- Have students who have trouble with bent knee situps work in pairs. One student holds his partner's feet securely on the mat
- Student can use wall, mats, and any other device to secure legs.
- Increase difficulty of the task by having the student perform sit-ups on an incline board, or by placing a weight in the hands behind the head

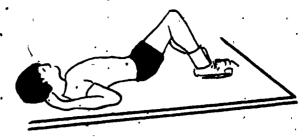


Fig. 10 Bent Knee Sit-Up

12. Name: Cross-over Sit-Up

Equipment: Mats

Description: Have the student lie on back, knees bent, feet flat on the mat and hands behind the head. On command, have the student:

- Curl torso up to sit-up position.
- Touch right elbow to left knee.
- Return to sit-up position.
- Touch left elbow to right knee.
- Return to sit-up position,
- Return to supine position.
- Repeat.

Teaching-Hints

- Remind student not to arch lower back.
- Hands must remain clasped behind head. If hands are removed from behind the head, the student will tend to use the arms to add momentum to the situp. This action will minimize development of the abdominal muscles.



Fig. 11 Cross-Over Sit-Up

13. Name: Inclined Sit-Ups

Equipment: Inclined Board

Description. Have the student assume a supine position on the board. On command, have the student:

- Curl to sit-up position and touch toes.
- Return to the supine position.

- Vary the exercise in accordance with the abdominal strength of the individual. A sample sequence might include: (board secured at the second notch).
- Practice until 10 curl-ups can be performed.
- Perform 10 sit-ups; with arms extended.
- Perform 10 sit-ups, with hands behind neck.
- Perform 10 cross-over sit-ups with a weight behind the neek.



- Readjust the board to the third notch and repeat the sequence.
- Insure that students keep the knees in a flexed position throughout all exercises to minimize lower back strain.

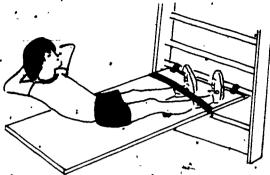


Fig.-12 Inclined Sit-Up

14. Name: Vee Sit-Up Equipment: Mats

Description: Have the student assumera supine position on the mat, with arms and legs extended. On command, have the student:

- Raise upper torso and straighten legs simultaneously.
- Balance body weight on buttocks.
- Touch extended hands to toes, while maintaining balance.
- Return to supine position.
- Repeat.

Teaching Hints:

- A difficult task which requires considerable abdominal strength, coordination, and balance.
- Use the part-whole method. Have the students perform the component parts of the task until mastered before attempting the Vee sit-up.



Fig. 13 Vee Sit-Up

15. Name: Gather Sit-ups

Equipment: Mats

Description: Supine position on mats, with arms extended overhead. On command, have the students:

- "Curl" upper torso forward, bringing arms toward
 toes.
- Flex knees, with heels touching the buttocks.
- Wrap arms around knees and squeeze.
- Return to starting position.
- Repeat.

Teaching Hints:

- When raising upper torso, have students roll the head, neck, shoulders, upper back, and lower back forward in that order. Reverse the process when returning to the supine position.
- Encourage diaphragmatic breathing by having students inhale when moving to a sit-up position and exhaling during the "squeezing" phase of the exercise



Fig. 14 Gather Sit-Ups

EXPLOSIVE LEG POWER

1. Name: Point Toes
Equipment: Mat

Description: Have the student assume a supine position on the mat. On command, have the student:

- Dorsiflex left foot.
- Plantar flex left foot.
- Return to starting position.
- Repeat with right foot.
- Return to starting position.

- When working with a child who does not understand the explanation or does not exhibit muscular control, it will be necessary to assist the individual through the exercise.
- Have students work in pairs. One student applies pressure on the performer's feet; the performer endeavors to point his toes.
- Vary the task by having the student flex or extend both feet simultaneously.
- Have the student note which muscles contract during the flexion and extension phases of the exercise.



Dorsiflexion



Plantar Flexion

Fig. 1 Point Toes

2 Names Bend the Knee

Equipment: Mat

Description: Have students work in pairs. One student lies down on his back. The partner places one hand under his right knee while the other hand grasps his right ankle. On command

- The performer endeavors to maintain the extension position while the partner strives to flex the knee.
 The partner shifts his hands to the performer's left leg and the task is repeated.
- Partners exchange positions.

Teaching Hints

Variations: Maintaining knees in the flexed position, applying pressure to performer's feet as he/endeavors to ride a bicycle in the inverted position/ (on his back)



Fig. 2 Bend the Knee

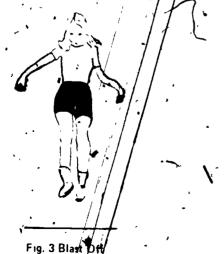
3 Name Blast Off ¹

Equipment None

Description. Have the student stand effect with his arms at his side. On command, the student

- Lowers his body to a semi-squat/ position/ (the teacher counts to ten.)
- On the command of "blast off," the student jumps as high as possible and lands in the starting position

Repeats the task eight to ten times



Teaching Hints

- Variations Landing on the same spot each time, covering as much distance as possible on each "blast off"
- Caution the student to avoid flexing the knees be yond a 45 degree angle to avoid a knee injury.
- 4. Name. Jumping the Square

Equipment. White Shoe Polish

Description The teacher draws a series of three-foot squares on the floor. Have the student stand on one corner of the square. On command, have the student

- Jump to each corner sequentially in a counterclock wise direction.
- Jump, to each corner sequentially in a clockwise direction
- Wary directions, for example jump left to three corners and right to four corners, etc.".

Teaching Hints

- Vary the tempo
- Have student perform the task-by hopping on an imaginary square
- Add creativity by requesting the student act as a jack, rabbit, kangaroo, etc
- Have student move through imaginary obstacle courses For example, jumping over a log, a stream, or a crack in the earth

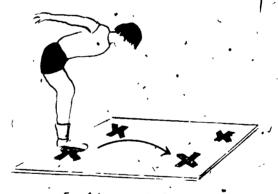


Fig. 4 Jumping the Square

5 Name Leg Straightener

Equipment None

Description Have the student sit erect, knees bent, heels on floor, with hands grasping toes. On command, have the student

- ,Straighten legs while maintaining hold on toes
- Return to the starting position
- Repeat the exercise

Teaching Hints

Stress "pushing" action of legs and "pulling" action of hands

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²Educational Risiarch Council of America, *Physical Education Program*

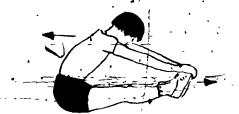


Fig. 5 Leg Straightener

6. Name: Tiptoes

Equipment: None

Description: Have the student stand erect. On command, have the student:

- Rise up on his toes on the count of "1."
- Return to standing position on the count of "2."
- Repeat the task.

Teaching Hints

- Have the student perform alternately on right and left foot
- Have the student feel the calf muscle and explain what happened
- Increase time duration for holding No 1 position.
- Place a text under the toes and perform.

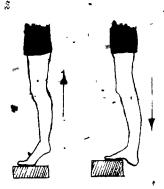


Fig. 6 Tiptoes

7. Name Jump and Stretch

Equipment None

Description. Have student stand erect with arms at sides. On command, have the student, i

- Swing arms backward while bending knees.
- Jump for height and distance, stretching arms overhead.
- Throw body and arms forward as he lands
- Repeat

Teaching Hints:

- Have the child jump repeatedly across the gymnasium and keep a record of the total attempts.
- Very by excluding the use of the arms. Discuss the difference in distance resulting from the elimination.
 of arm usage
- Record each student's best distance in inches.



Fig. 7 Jump and Stretch

8. Name. Jumping for Height

Equipment: Chalk

Description: Have students work in pairs. The performer should stand upright, adjacent to a wall; with a piece of chalk in his hand. On command, the performer:

- Jumps as high as he can and makes a mark on the wall.
- The partner measures and records the height:
- Bartners reverse positions and repeat.

Teaching Hints:

Mark a grid on the wall, with graduations in inches. Variation. Have each partner jump, repetitively, for one minute and record the number of jumps.



Fig. 8 Jumping for Height

9. Name: Mountain Climbing

Equipment: None

Description: - Have student assume push-op position, with one leg flexed and the other in the extended position. On command, have the student;

Reverse his leg position continuously.

Teaching Hints:

- Establish a slow cadence, initially, so that the student can learn the coordinated movement.
- By having the student transfer all body weight to his arms as he shifts his leg position, the task becomes an arm strengthening exercise.



Fig. 9 Mountain Climbing

0. Name: Squats (Knee Bends)

Equipment: None

Description. Have the student stand erect, feet shoulder width apart, with hands on hips. On command, have the student:

- Lower his body so that knees are flexed at a 45 degree angle
- Maintain position for five seconds.
- Return to the starting position.

Teaching Hints:-

- Increase repetitions at periodic intervals.
- Caution student regarding the performance of knee bends beyond 45 degrees



Fig. 10 Squats (Knee Bends)

11. Name: Barbéll Squats

Equipment: Barbell, plus Assorted Weights. Description: Have the student stand erect, feet shoulder width apart, with barbell on shoulders.

On command, have the student

Perform the task as cited in No. 10.

Teaching Hints:

Have the student start the program by placing weights on the Darbell equal to one third of his body weight. Increase or decrease the weight level until he performs a range of five to ten repetitions with a specific weight. From that point on, have the student use the same weight load until he can perform ten repetitions, and then inclease the weight load.



11 Barbell Squats

12. Name: Barbell Heel Raises

Equipment: Barbell plus Assorted Weights, Plank Description: Have the student stand erect, with toes on 2' x 4', feet shoulder width apart, and barbell on shoulders. On command, have the student:

- Extend body upward until the entire body weight is supported by his toes.
- Maintain the position for five seconds.
- Return to the starting position, with his heels on the floor.

- Determine appropriate barbell weight and exercising regimen as per instructions in No. 11.
- ♥ary the angle of the feet to develop different musculature.
- Vary the height of the support that is placed under the toes.



Fig. 12 Barbell Heel Raises

.13. Name, Wall Tapping Equipment: Timer

Description. Marks are made on a wall at 3" intervals. The student is to stand adjacent to the wall. On command, the student.

- Jumps as high as he can and touches the wall as high as he can reach.
- Repeats the task for one minute.
- Attempts to continually jump above a predetermined mark, i.e., above 3, 6, 9, or 12 inches.

Teaching Hints

- Have a partner record his score, that is the number of successful jumps
- Record his hat "touch point"
- Record a measure of his explosive leg power jumping touch minus standing touch.



Fig. 13 Wall Tapping

14. Name Flutter Kick

Equipment Mate

Description Prone position on the mat, with hands under thighs and legs extended together. On command, the student

- Keeps chin and trunk in contact with the floor
- Alternately raises and lowers legs as in the flutter kick in swimming.



Fig. 14 Flutter Kick



Fig. 15 Crossover

Teaching Hints.

- Start with a slow cadence for a limited period of time.
- Increase cadence and time demand as progress is noted.
- Add verbalization by having students count every time the left foot strides the floor.
- Have the students perform the task while lying in a supine position.
- Vary the task moving legs apart and together, or crossing the leg over the other.

CARDIOR ESPIRATORY ENDURANCE

1. Name Marching-in-Place

Equipment: None

Description. Have the student stand at attention. On command, the student:

- Marches-in-place, starting with the left foot.
- Swings arms naturally.
- Counts each time his left foot strikes the floor.
- Stops when the teacher gives the command.

Teaching Hints: 🚟

- Vary the learning experience by keeping the performance time and repetitions constant, increasing the time while keeping the repetitions constant.
- Have the students march to music
- Observe performance and note billaterality and or gross body coordination problems.

2. Name: Endurance Jumping

Equipment None

Description: Have the student assume an upright standing, position, with his arms at his sides. On command, the student

- Jumps repeatedly, feet together, until requested to stop.
- Places fingers on carotid artery (under jawbone) and endeavors to locate pulse.

- Explain the effects exercise has on the heart and circulatory system.
- Add music to make the task more enjoyable.
- Vary the repetitions according to individual capacities.
- Vary the task by having the student jump forward, backward, and sideward, with feet together and apart



Fig. 1 Endurance Jumping

3 Name: Endurance Hopping Equipment: None

Description Have the student assume the upright standing position, with his arms at his sides. On command, the student

- Hops on his left foot
- Hops on his right foot
- Hops, alternately on his left and right foot
 Teaching Hints
- The same suppessions as for "Endurance Jumping



Fig. 2 Endurance Hopping

4. Name Spot Running To Equipment. Stop Watch

Description. Have the student assume the upright retanding position, with his arms at his sides in the flexed position. On command, the student

 Runs in place at varying speeds, for varying lengths of time

Teaching Hints

- Have the students change pace by telling them to mayine they are running uphill, downhill, around a turn, or they are a racing car, hoise, bus, truck, or a train
- 5. Name: Running A Measured Distance Equipment Stop Watch, Measuring Tape Description Establish a measured distance On command, the student

Completes the run as rapidly as possib.

Teaching Hints:

- Recommended distances: grades K-2 = 200 yards, grades 3-6 = 600 yards; grades 7-9 = one-mile; and grades 10-12 = two miles.
- Add the competitive element by using team races, team relays, shuttle runs, and obstacle runs.
- 6. Name Trot, Skip, Run². Equipment. None

Description: Sub-divide the class into a series of teams aligned in line formation, facing the same direction. On command:

- The first-student in each line begins trotting.
- The next student in each line begins trotting, when the first student has moved forward approximately eight feet.
- Repeat the same procedure until all students in each line have completed the task.
- When the first student of each line (the leader) has returned to the starting point, he or she begins again by skipping the entire distance.
- The other students replicate the skipping
- The leaders will complete the third lap by running at full speed.

Teaching Hints:

- Have students select and include other types of locomotor skills.
- Identify and *assist students who are having difficulty with any of the locomotor skills. *
- 7 Name: Ski Slalom Run

Equipment: Stop Watches, Boundary Markers

Description: Arrange markers as per the illustration

Space the markers so that the total distance is 25-60 yards. On command:

- One student at a time runs the entire distance
- Repeat until the entire class has a time recorded Teaching Hints:
- The instructor "times" each student.
- Vary the experience by conducting a continuous slalom (j.e., students traversing the course, keeping eight-foot entervals.



Fig. 3 Ski Slalom Run

Thomas M. Vodola, Individualized Physical Education Program for the Handicapped Child p. 161

²Orfalie Bryant and Eloise McLean Oliver, Fun and Activities Through Elementary Physical Education, 8. Name: Follow the Leader

Equipment: Record Player,

Description: Place students in a circle formation (ten to a circle).

- A designated leader performs an exercise such as hopping.
- The other students in the circle replicate.
- When the instructor calls "change" the student to the left of the lead performs a different task.
- The other students replicate.
- Continue until all students have served as leaders.

Teaching Hints

- Play a record that has a fast tempo to set the rhythm.
- Encourage the inclusion of tasks that involve the different parts of the body.
- 9. Name: Astronaut²

Equipment: None

Description: Have the entire class form one large circle. Select one student to serve as the chief astronaut; have him stand in the center of the circle.

- ♣ The chief astronaut calls No.,6 (or any number).
- All astronauts whose numbers are six respond by running counterclockwise around the circle (space), reentering the circle (the earth's atmosphere) at their original positions, and touching the chief astronaut's extended hand.
- The first astronaut to make contact becomes the new chief astronaut and calls a different number.

Teaching Hints:

- Vary the number of space revolutions before reentry is permitted.
- 10. Name: Red and Blue³

Equipment: Flat Object, with each Side a Different (

Description: Divide the class into two lines facing each other. Explain and demonstrate the game. Select a leader to toss the colored object.

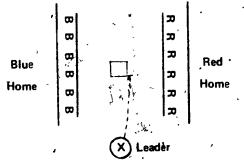


Fig. 4 Red and Blue

¹Charles B. Corbin, et al., Concepts in Physical Education, p. 61.

- The leader tosses the object in the center area between the two teams.
- If the object lands with the blue side up, all members of the "blue" team turn and run home, pursued by the "red" team.
- If the object lands with the red side up, the procedure is reversed.
- All players tagged before returning home join the opposing team.
- The team having the most players in a predetermined time period wins.

Teaching Hints:

- Stress the importance of being careful to avoid injury.
- Use blue and red pinnies or vests, if available.
- If available, use flag belts to minimize arguments as to whether a player was tagged.

11. Name: Grab the Tire

Equipment: Car Tire

Description: Divide the class equally into two, teams and assign a number to students on both teams. Place the teams at the opposite ends of the gym and the tire in the center.

- The instructor calls a number.
- The students with that number run to the center and try to drag the tire beyond their line.
- Score one point for each successful attempt.
- Continue until all numbers have been called. Feaching Hints:
- Vary the game by calling multiple numbers (e.g., 2, 6, 10). In the example cited, six students would run to the center.
- Combine mathematics, with the motor task. For
 example, state, "Those students whose numbers are
 a total of 2+5 run forward."

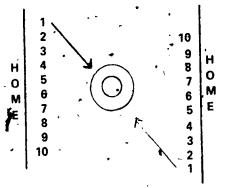


Fig. 5 Grab'the Tire

12. Name Change Places

Equipment: Mats

Description. Divide the class into two teams, placing the teams at opposite ends of the room with each team member assigned a number and requested to lie on a mata Upon verbal command, the students:

²Orfalie Bryant and Eloise McLean Oliver, Fun and Activities Through Elementary Physical Education, p. 51.

³*Ibid,* pp. 77-78.

- Obey commands, e.g., "Turn on your stomach, back, etc."
- Exchange mat positions with their partners.

Teaching Hints:

- Award team points on the basis of proper task execution and reaching designated mat first.
- To minimize accidents, have students run to new matabositions around the outer perimeter of the mats in a clockwise direction.
- Vary tasks to include diving, etc.
- Assign students to give verbal commands.

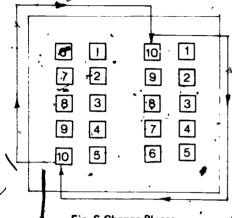


Fig. 6 Change Places

Equipment. None

Description: Have the student assume a standing position, feet apart, with arms extended sideward at shoulder level. On command, the student:

- Bends and twists his trunk, touching his left hand to his right toe.
- Returns to the starting position.
- Jogs around the gym and returns to the original floor position.
- Repeats the task.

Teaching Hints: __

- Vary the task-according to the endurance capacity of each student.
- Identify and correct bilaterality and/or flexibility problems.



Fig. 7 Windmill and Jog

14. Name: Cycling and Jogging

Equipment: None

Description: Have student assume the inverted cycling position on the floor. On command, the student:

- Completes twenty-five leg cycles (a cycle is the rotation of both legs).
- Runs five laps around the gym.
- Returns to the original cycling position.
- Repeats the task.

Teaching Hints:

- Vary the leg cycles and distance to be run.
- Keep the time constant and record the number of "circuits" completed by each student.
- Stress the safety factor avoiding contact with running classmates.

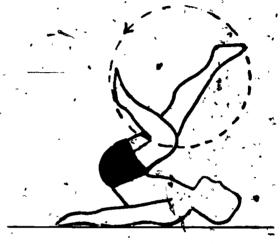


Fig. 8 Cycling and Jogging

15. Name: Mountain Climbing and Jogging

Equipment: None

Description: Have the student assume the starting, position as in the illustration. On command, the student:

- Reverses fils foot position for thirty cycles.
- Runs five laps around the gym.
- Returns to the original starting position.
- Repeats the task.

Teaching Hints: .*

■ The same "hints" as citéd in No. 14

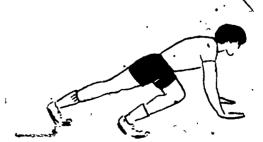


Fig. 9 Mountain Climbing and Jogging

16. Name: Jumping Jack

Equipment: None

Description: Have the student stand with feet together and hands at sides. On command, the student:

- Jumps and lands with feet apart.
- Simultaneously, moves arms sideward and upward, touching hands overhead.
- Returns to the starting position.
- Repeats the exercise.

Teaching Hints:

- Vary the number of repetitions and cadence,
- Increase the difficulty level by alternately having the student shift the feet sideward - together and staggered - together.
- If a student cannot perform the task have him perform the discrete parts by the numbers.



Fig. 10 Jumping Jack

17. Name: Rope Skipping Equipment Stop Watch, Jump Rope Description. Explain and demonstrate the proper rope

skipping technique. On command, the student:



Fig. 11 Rope Skipping

- Skiks rope for thirty seconds.
- Rests for thirty seconds.
- Repeats the exercise until he has skipped for 2:30 seconds and rested for 2:30 seconds.

Teaching Hints:

- Work up to a cadence of 120 jumps per minute.
- Increase the skipping time and decrease the resting
- Vary the task by having the student skip in reverse (i.e., bringing the tope over the head and behind the body).

18. Name: Bench Stepping

Equipment: Bench, Stairs, or Gymnasium Bleachers, Stop Watch '

Description: Have the student stand upright facing the bench. On command, the student:

- Places his right foot on the bench.
- Brings up his left foot and stands erect.
- Lowers his right foot to the floor.
- cycle
- Lowers his left to the floor.
- Continues until he has completed sixty cycles in a two-minute period (thirty cycles per minute).

Teaching Hints: `

- Keep the cadence constant by: clapping hands; counting 1, 2, 3, 4; or using music.
- Increase the time, at periodic intervals, by thirty seconds until the students can perform the task for five minutes.

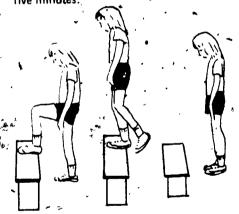


Fig. 12 Bench Stepping

19. Name. Circuit Training

Equipment: Timer

Description: Have the student assume an upright position. On command, the student

one

circuit

- Hops on his left foot for 100 counts.
- Hops on his right foot for 100 counts.
- Jumps on both feet for 100 counts.
- Performs 100 jumping jacks.
- Runs in place for 100 counts.
- Repeats the circuit.
- . Completes as many circuits as possible in ten minutes.

Teaching Hints:

- Have the student keep a daily record of his performance; two circuits, plus three exercises would be recorded as £.6.
- Encourage the student to better his score each day.

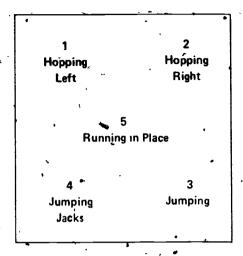


Fig. 13 Circuit Training

20. Name: Interval Running

Equipment: Tape for Measuring Distance, Stop Watch Description: Interval running is a type of conditioning that uses the "overload concept." The student is overtaxed physiologically by being required to perform a series of running events which include a relaxation phase and a stress phase for a certain distance or a certain period of time. For example, the student might be requested to perform the following running events in a ten-minute period

- Walk rapidly for two minutes.
- Jog for one minute.
- Run at one-half speed for one minute | circuit

one

- Sprint for one minute.
- Repeat the circuit.

Teaching Hints:

- The "overload concept" can be applied to any activity. Devise a circuit that applies interval stress to a series of exercises, the game of soccer, or swimming.
- Increase the "overload" gradually by decreasing the "relaxation" phases of the circuit and increasing the "stress" phases.
- 21. Name: Road Runner.

Equipment: Timer, Track or Large Area

Description: Students form on more lines On command, the students.

- Jog slowly.
- The last student sprints to the front of his line and hegins to log
- The process is repeated until all students have sprinted one time.

Teaching Hints:

- Vary the task according to the ability level of the students. For example, students with extremely poor endurance could walk in line, with the last person jogging to the front position.
- Increase the jogging and sprinting distances as the students improve.
- Decrease the time permitted to cover a given distance.

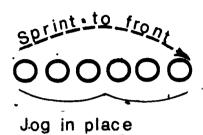


Fig. 14 Road Runner

22. Name: Suicide

Equipment: Timer, Basketball Court

Description: The student stands behind the baseline.

On command, he:

- Sprints to the near foul line, touches the line with his hand and sprints back to the baseline.
- Touches the baseline and sprints to the half-court line and back.
- Repeats to the far foul-line and back and far baseline and back.

Teaching Hints:

- Keep a record of all times and encourage students to "beat" their own time.
- Have several students perform the activity at the same time; stress staying in their lane.
- Use markers so the activity can be used in an all-purpose room, or out-of-doors.

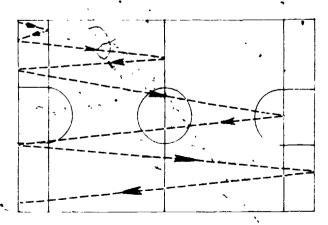
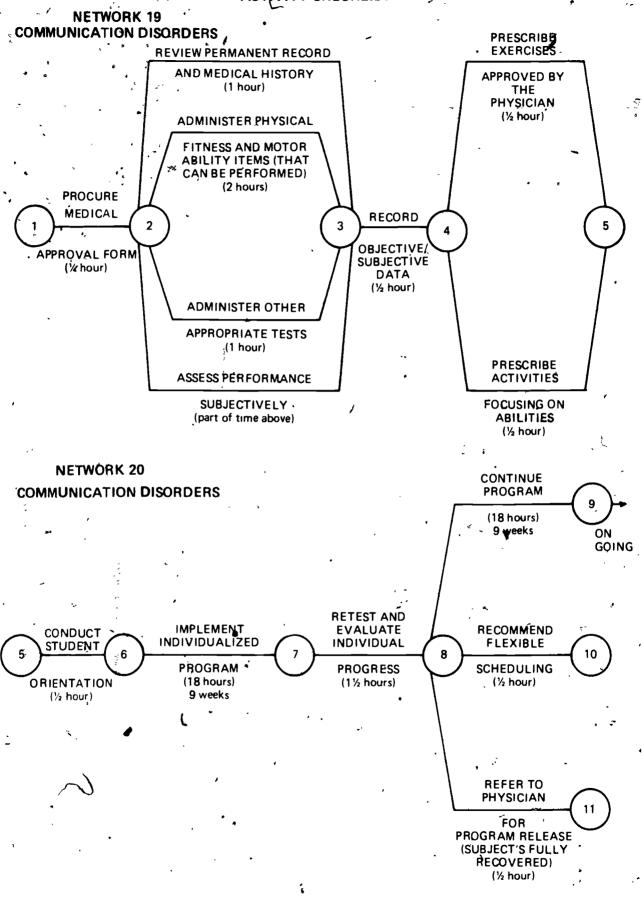


Fig. 15 Suicide



APPENDIX A

COMMUNICATIONS DISORDERS FLOW CHART AND ACTIVITY CHECKLIST



` EVENT NU	MBERS	ACTIVITY	ACTIVITY	NETWOS	9
BEGINNING	ENDIŅG	TIME	ACTIVITY DESCRIPTION	NETWORK NUMBERS	- EXPLANATION
, 1	11		IMPLEMENT PROGRAM FOR STUDENTS WITH COMMUNICATION DISORDERS	, 19	D&A Program will be provided for the partially sighted, blind, hard-of-hearing, deaf, and autistic
1	. 2	¼ hour	, Procure Medical Approval Form	19	• Self-explanatory
			Note: The original form is to be filed in the nurse's office, a copy of the form is to be placed in the child's folder	· \$	ب ^ر همی
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	EVENT NUM		ACTIVITY	ACTIVITY DESCRIPTION	NETWORK NUMBERS	EXPLANATION
	BEGINNING	ENDING	TIME		-	The second secon
	2 '	3	1 hour	Review Permanent Record and Medical History Carefully check auditory and visual information	19	The D&A teacher will review the permanent record and medical history of every student in the program
	-2	3	2 hours	Administer Physical Fitness and Motor Ability Items - Fig. 8 record of pre- and post-	19	Students will be encouraged to per- form those items that are within their ability levels
8	2.	3	1 hour	Administer Other Appropriate Tests Where appropriate, devise tests to assess peripheral vision, depth perception, and kinesthesis	19	Tests designed to assess progress in terms of "use of the senses" will be administered
	3				*	
	*			-		
			2			

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4	EVENT NU		ACTIVITY"	ACTIVITY	NETWORK	7
	BEGINNING			DESCRIPTION	NUMBERS	EXPLANATION
	2	'3	Part of time above	Assess Performance Subjectively	19	Self-explanatory
	3	4	½ hour	Record Objective and Subjective Data	- 19	Self-explanatory
		, 5	½ hour	Prescribe Exercises Approved by the Physician Record prescribed exercises on each student's prescription card	19	The family or school physician will prescribe all exercises
	4°	5	½ hoụr	Prescribe Activities Focusing on Abilities Post a list and discuss modified games and activities that have	19	The family, or school physician or Child Study Team will prescribe all games and activities
		, ,		been approved by the physician or Child Study Team		•
	. 5.	6	½ hour	Conduct Student Orientation Explain rules and regulations,	20	Self-explanatory
	-1	i.		program values, etc ` • • • • • • • • • • • • •		
				September 1995	a of the second	

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120°

EVENT NUMBER	2	·	, ,	4
	S ACTIVITY	ACTIVITY . DESCRIPTION .	NETWORK NUMBERS	EXPLANATION
		Demonstrate correct testing technique Prepare the necessary forms Assist and conduct testing	~	
		Note: Autistic children should be guided through all tests	;	
. 6	7 18 hours (9 weeks)	Implement Individualized Program Provide an aide to work with each autistic child, utilize immediate, positive reinforcement for the slightest accomplishment	20	Each student will receive a program based on his specific needs and interests
7 - 1	8 1½ hours	Retest and Evaluate Individual Progress Refer students to physician for	20	Students will be retested at nine week intervals
		possible release from the program	, .	
			, ,	

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		,				
	EVENT NUI BEGINNING	MBERS ENDING	ACTIVITY TIME	ACTIVITY DESCRIPTION	NETWORK NUMBERS	EXPLANATION
in the state of th	8	9	18 hours (9 weeks) ½ hour	(where results are supportive of such a recommendation) Continue Program Consideration should be given to possible revision of exercises, stimulation of motivation, etc. Recommend Flexible Scheduling Prepare and submit supportive evidence for your recommendation	20 20	Self-explanatory Where possible, students will be scheduled in with their peer group
	8	11	½ hour	Refer to Physician For Program Release Prepare and submit supportive evidence for your recommendation	20	Students will not be returned to the unrestricted program unless they have a signed release from the family or school physician
			,			

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72.

APPENDIX B STUDENT'S CERTIFICATE OF MERIT



Certificate of Merit

ALL CHILDREN TOTALLY INVOLVED EXERCISING

Project No. 72-341, Title 111-1V(C), ESEA, P.L. 89-10

Awarded To:

School/Agency:

Accomplishment:-

Onte

Thomas M. Vodla

Director, Project Active

Instructor School or Agenc

Chief Administrator School or Agency

APPENDIX C TEACHER'S CERTIFICATE OF ACHIEVEMENT Department of Education ms lecture-demonstrations on individualizing instruction and This course consisted of ten fourhood legitime, lecture-demonstrations on individualizing instrumentations work experiences with hardingspeet children; and developing expectite competencies. Branch of Special Education & Pupil Personnel Services Physical Education Consultant

NJDE 401 16 (12/74)

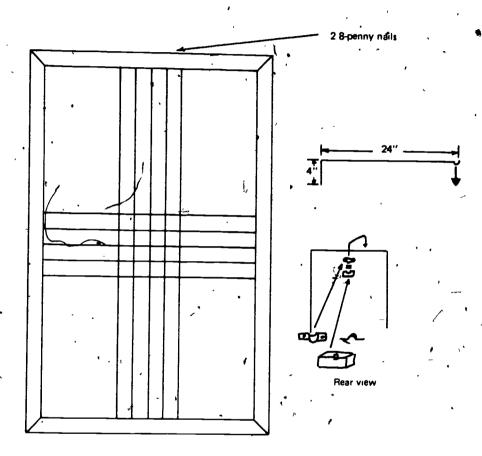
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APPENDIX D

POSTURE SCREENING GRID CONSTRUCTION DIRECTIONS

(Courtesy of the Township of Ocean School District)

CONSTRUCTABLE ITEMS



Materials needed:

Grid: one 1/8" × 4" x 8" masonite

Frame: one 3/4" x 3" x 24"

Rod; one 3/8" x 30"

Clamps: two

Wooden block: one'1" x 4"

Plumb bob: one

Paint:

1 quart of flat black enamel

1 pint of fast-drying white lacquer

Striping tool one

Straight edge. 8' long, 3" wide

Instructions:

- 1. Redúce masonite to proper size:
- 2. Paint masonite.
- Place frame on masonite; secure with 3/4" roofing nails (miter corners).
- 4. Draw horizontal and vertical lines. Start at midpoint and paint lines 2" apart with the striping tool. Be sure to secure the straight edge to the frame with clamps to insure straight lines.
- 5. Touch up any overrun of striping with black ename! border.



13)



APPENDIX E

GUIDE TO THE EVALUATION

OF

POSTURE AND BODY ALIGNMENT

The evaluation of body alignment and posture by the evaluator helps to serve a dual purpose:

Purpose I:

To acquaint the examiner with postural deviations of the individual and thereby serve as a guide for the exercise program.

Purpos 11:

*To provide a record for the future reference from which to evaluate progress or change in body alignment.

Mr. Al Daniel
Department of Physical Education
Developmental Physical Education

Permission to publish granted.

ERIC

EVALUATION OF BODY ALIGNMENT AND POSTURE

A. Notations on screening form.

- The name of each child should be clearly PRINTED.
- 2. Age of the child should be recorded in years and months.
- 3. Name of school is clearly indicated.
- 4. Record weight accurately.
- 5. Record height in inches
- Leg length record in inches be careful to place correct measurements with correct leg.
- 7. Record all other anthropometric measurements carefully.
- 8. In "remarks area" make notations of past and present history from student which may have a bearing on posture and body alignment evaluation.
- 9. Record correct date of examination.

B. Screening Procedure.

- 1. Boy's should be screened in gym shorts.
- 2. Girls should be screened in bathing suits or any other suitable attire to allow efficient evaluation.
- 3. No footwear or socks should be worn by students.
- In evaluating the student for postural deviation "O"
 is ideal and any slight deviation from this is considered normal and should not be recorded.
- Adjust the student's stance without attempting to correct a postural deviation in order to allow the best evaluation by the evaluator.
- Use a red pencil for initial screening to indicate first observations, and do not hesitate to record on the figure and deviations noted.
- Leg longth is measured from the anterior superior spine of the ilium to the internal malleolus.
- 8. Calf circumference is measured 4-5 inches below the inferior tip of the patella (mid-calf). (Measurements taken with steel tape.)
- 9. Thigh circumference is measured 6 inches above the superior tip of the patella (mid-thigh). (Measurements taken with steel tape.)
- 10. All skinfold measurements are made on the RIGHT side of the body. Apply the calipers about 1 cm. from the fingers holding the skinfold and at a depth approximately equal to the thickness of the fold. All folds are taken in the vertical plane except when the lines of Linn result in torsion of the skinfold in which case it is taken along these lines:
 - (a) Chest Midpoint between the anterior crease of the ancilla and the nipple.
 - (b) Abdomen adjacent to the umbilicus.
 - (c) Arm— Midposterior midpoint between the tip of the acromion and the tip of the olecranon with the elbow in 90° flexion, and with the

- extremity hanging straight in an extended, position.
- (d) Back Tip of the scapula with the subject in a relaxed standing position.
- .11. Grip strength Taken with a grip dynamometer, be careful of placement of dynamometer scale should be facing out.

REAR VIEW

Plumbline should bisect the body into two equal parts as in form II.

A. Head

 Tilt – head may slant toward one side or the other, evaluator may indicate on figure.

B. Shoulder level . 1

 One higher than the other, evaluator may indicate on figure. (Use horizontal grid lines as a guide.)

C. Shoulder blades

- 1. The inferior angle of the scapula is normal at the level of the seventh thoracic vertebral spinous process.
- "Winging" of the scapula the vertebral border is pulled away from the posterior back or spinal processes of the vertebrae.

D. Upper and Lower spine

- 1. Mark direction of convexity.
- In reference to "C" curve the examiner will mark both upper and lower spine in direction.
- 3. In reference to "S" curve please mark convexity carefully.

E. Hip level

- 1. Use horizontal gird lines as a guide.
- If in doubt as to lack of prominence of hip bones, the examiner may place hands on crest of ilium and observe any difference in level of hands.

F. Ribs

- The student stands upright. The examiner, using the index and middle fingers, rubs briskly over the spinous process of the Vertebrae from the neck to the hips. Check for spinal deviations.
- The student now stands with the trunk flexed at the hips, upper body parallel to the floor, the exagniner then observes the contour development of ribs from the rear. Note any differences of rib growth and/or lack of symmetry.

G. Legs

1. Note only knock-knee or bowed legs.

H. Popliteal line

1. At rear of knee level is an indentation of break in contour of skin where knee is flexed in movement, check level behind each leg.

1. Pronation

1. Achilles tendon is straight, note any deviation from this norm.

SIDE VIEW

Remember, check total body alignment before making segmented evaluation.

A. Head (plumbline through lobe of ear)

- 1. Head in front of plumbline indicate (head forward).
- Head back of plumbline indicate (head backward).
- B. Shoulders (plumbline through center of shoulder joint).
 - "Cupping" inward movement of shoulders toward sternum (Kyphosis).
 - "Winging" of scapula, this refers to prominence of the inferior angle of the scapula or in some cases the entire vertebral border, posteriorly. (Muscular development may cause false winging.)
- C. Spine (no exaggeration of spine curvatures.)
 - 1. Upper spine curvature.
- Lower spine curvature (Lordosis). Exaggerated lumber curve often associated with an anterior tilt of the pelvis.
 - 3. Try to visualize long skeletons
 - Check at this point if the student is laming backwards.
- D. Hip (plumbline through greater trochanter of the femur).
 - 1. Flexion (indicated two ways).
 - (a) Student stands with the knees straight and the trunk is flexed forward at the hip.

- (b) Student stands with knees flexed associated with hip flexion and trunk upright.
- E. Knee (plumbline posterior to the patella).
 - Flexion knee joint is flexed and may be anterior to the plumbline.
 - 2. Hyperextension knee joint forms an open angle and is posterior to the plumbline.

F. Body

- 1. Forward most of body forward of line.
- 2. Backward most of body back of line.
- Bowed midsection more anterior than upper and lower portions of the body.

G. Arch Depression

 Try to visualize a line from just below the medial malleolus to the proximal end of the 1st phalange of the big toe, then check scaphoid (Talus) bone and its relationship to line and floor.

GLOSSARY

- Anterior superior spine front, upper part of the hip. (illium)
- 2. Patella a round secamoid bone in front of the knee
- 3. Inferior lower
- 4. Superior the upper part
- 5. Malleolus the lower end of the fibula (ankle)
- 6. Seventh thoracic vertebrae the middle area of the back on a line with the lower angle of the scapula
- Spinal processes pertaining to the spine part palpated in the back
- 8. Pronation the downward turning of the part.
- 9. Posteriorly toward the rear
- 10. Talus (Scaphold) the "heel" bone of the ankle
- 11. Proximal nearest
- 12. Acromion the process at the summit of the scapula
- 13. Olecranon large process forming the head of the ulna
- 14. Scapula large flat triangular bone of the shoulder
- Grip dynamometer instrument for measuring muscular strength

APPENDIX F

WEAR ATTITUDE AMINISTRATION FORMS AND SCORING PROCEDURES

Form A

- If for any reason a few subjects have to be dropped from the school program, physical education should be one of the subjects dropped.
- 2. Physical education activities provide no opportunities for learning to control the emotions.
- 3. Physical education is one of the most important subjects in helping to establish and maintain desirable social standards.
- 4. Vigorous physical activity works off harmful emotional tensions
 - 5 I would take physical education only if it were required.
 - 6. Participation in physical education makes no contribution to the development of poise
 - 7. Because physical skills loom large in importance in youth, it is essential that a person be helped to acquire and improve such skills
 - Calisthenics taken regularly are good for one segeneral health
 - Skill in active games or sports is not necessary for leading the fullest kind of life
- 10 Physical education does more harm physically than it does good
- 11 Associating with others in some physical education activity is fun.
- 12 Physical education classes provide situations for the formation of attitudes which will make one a better citizen
- 13 Physical education situations are among the poorest for making friends
- 14 There is not enough value coming from physical education to justify the time consumed
- 15 Physical education skills make worthwhile contributions to the enrichment of living
- 16. People get all the physical exercise they need in just taking care of their daily work
- 17. All who are physically able will profit from an hour of physical education each day
- 18. Physical education makes a valuable contribution toward building up an adequate reserve of strength and endurance for everyday. Iving.
- 19. Physical education tears down sociability by encouraging people to attempt to surpass each other in many of the activities
- 20 Participation in physical education activities makes for a more wholesome outlook on life
- Source C.L. Wear, "Committruction of Equivalent Forms of An Attitude Scale," Research Quarterly, XXV (1955) pp. 113-119

- 21. Physical education adds nothing to the improvement of social behavior.
- Physical education class activities will help to relieve and relax physical tensions.
- 23. Participation in physical education activities helps a person to maintain a healthful emotional life.
- 24. Physical education is one of the more important subjects in the school program.
- 25. There is little value in physical education as far as physical well-being is concerned.
- 26. Physical education should be-included in the program of every person.
- 27 Skills learned in a physical education class do not benefit a person.
- 28. Physical education provides situations for developing desirable character qualities.
- 29. Physical education makes for more enjoyable living.
- 30: Physical education has no place in modern education.

Form B

- Associations in physical education activities give people a better understanding of each other
- Engaging in vigorous physical activity gets one interested in practicing good health Habits.
- 3. The time spent in getting ready for and engaging in all physical education class could be more profitably spent in other ways
- 4 A person's body usually has all the strength it needs without participation in physical education activities
- Participation in physical education activities tends to make one a more socially desirable person.
- Physical education in schools does not receive the emphasis that it should
- 7 Physical education classes are poor in opportunities for worthwhile social experiences
- 8. A person would be better off emotionally if he did not participate in physical education
- 9 It is possible to make physical education a valuable subject by proper selections of activities
- 10 Developing a physical skill brings mental relaxation and relief
- 11 Physical education classes provide nothing which will be of value outside the class.
- 12 There should not be over two one-hour periods per week devoted to physical education in schools
- 13 Belonging to a group, for which opportunity is provided in team activities, is a desirable experience for a person
- 14 Physical education is an important subject in helping a person gain and maintain all-round good health

- 15. No definite beneficial results come from participation in physical education activities.
- 16. Engaging in group physical education activities is desirable for proper personality development.
- 17. Physical education activities tend to upset a person emotionally.
- For its contributions to mental and emotional wellbeing physical education should be included in the program of every school.
- 19. I would advise anyone who is physically able to take physical education.
- 20. As far as improving physical health is concerned a physical education class is a waste of time.
- 21. Participation in physical reducation class activities tends to develop a wholesome interest in the functioning of one's body.

- 22. Physical education classes give a person an opportunity to have a good time.
- 23. The final mastering of a certain movement ar skill in a physical education class brings a pleasurable feeling that one seldom experiences elsewhere.
- 24. Physical education classes provide values which are useful in other parts of daily living.
- 25. Physical education contributes little toward the improvement of social behavior.
- 26. Physical education should be required of all who are physically able to participate.
- 27. The time devoted to physical education in schools could be more profitable used in study.
- 28 The skills learned in a physical education class do not add anything of value to a person's life.
- 29. Physical education does more harm socially than good



1.3.5

WEAR ATTITUDE INVENTORY SCORE SHEET FORM & FORM B (CIRCLE ONE)

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WEAR ATTITUDE INVENTORY SCORJNG KEY

(FORM A)& FORM B (CIRCLE ONE)

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*Example N VALUE 5 <u>IH11</u> 30 4 II 8

Instructions:

- 1. Punch out all areas enclosed by parentheses marks.
- 2. Place "scoring key" over student's answer sheet.
- 3. Compute student's total score for all items.

WEAR ATTITUDE INVENTORY SCORING KEY .

FORM A & FORM B (CIRCLE ONE)

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Example N VALUE 5 111 30 4 11 8

Instructions:

- 1 Punch out all areas enclosed by parentheses marks
- 2 Place "scoring key" over student's ånswer sheet.
- 3. Compute student's total score for all items $\stackrel{\sim}{}$

APPENDIX G

PROJECT ACTIVE SUPPLY AND EQUIPMENT NEEDS FOR PROGRAM IMPLEMENTATION

To: \ Adopting School Districts/Agencies

From: Dr. Thomas M. Vodola, Director, Project ACTIVE

Re: Supply/Equipment Needs for Program Implementation

The appended tables provide specific information relative to supply and equipment needs for program installation. The format has been designed to facilitate the identification of items for those who are adopting or adapting one phase of the program, or the total program. The information supplied includes:

- The specific item
- Essential items needed (coded with an "N")
- The number of items needed
- Items recommended (coded with an "R")
- The unit price of each item
- The source of the ifem

The tables reflect the basic needs for implementing the program in one school. It is recommended that one set be purchased for each additional school involved. (If a district has some of the items on hand, it obviates the need for that expenditure.)

Project Director
Thomas M. Vodola, Ed.D.
Township of Ocean School District
Ocean Township Elementary School
Dow Avenue
Oakhurst, N.J. 07755
201–229-4100 Ext. 260



PROJECT ACTIVE SUPPLY/EQUIPMENT NEEDS1

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COMPONENT ADOPTED ITEMS	1		L PROG	RAM .	Needed		MOTOR .		IYSICAL LITY		ITIONAL IENCIES		THING	POST	URAL MALITY		TOR		NICATION
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PC5026 Shoulder Breadth, Length Caliper	x		⁻ 74 90	J A. Preston Corp. 71 Fifth Avenue N.Y., N.Y. 10003	1					. ×				-					
PC5028 Large Skinfold (Fat Caliper)	×		142.45	J.A. Preston	1					×									
PC5155 Dry Sperometer	X	T	176.85	J A Preston ' ¿	1					1 -	1	х	•		1				
PC5156 Disposable Paper Mouthpieces	×		31.60	J.A. Preston	500							×			الي يستمرر		Java L.	7-	JA.
PC5059 Flexometer		×	246.65	J.A. Preston	1,							Ł	·					•	
Or PC5054 Plastic Goniometer (Torsparent)	×		20 20	رُ A, Preston -	1											×			
PC5022A Symmetrigraf (Posture Grid)	x		80.60	J.A Preston	1		-		-					·x		•			,
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No. 39 Wall Mounted Horizontal Ladder (optional)!		×		Nissen Corp	1 ,		•		, :				-	•	×		•		
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No. 92602 Utility Playground Ball, PG8%	×	•	3.00	J.L. Hammett Co. 2393 Vaux Hall Rd. Union, N.J. 07083	12	×,										, x	•	•	
No. 92655 Fun Balls (Plastic) S-650	×		55.	J L. Hammett Co	12	X	F	•				ų.				x -	_	•	1

¹Contact source for unlisted prices

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APPENDIX G (Continued) PROJECT ACTIVE SUPPLY/EQUIPMENT NEEDS

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Plastic Measuring Tape 36"	×			Local Fabric Shop		_	1	×	T	* - X				×	,	_			
White Shoe Polish, Bottle	x	1	`55	Local Supermarket	3	×		X						x ·	<u> </u>	×			1
No. 39170 Water Color Marking Pen, Black	x	· · ·	40	J L Hammett	1						-			x					
No 61145 Pegboard and Pegs, No 7615 (optional)	:	×	3 45	J L Hammett	6 sets		×						,	æ			·x		
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No 92663 Audi Ball, No AB-30 (optional)		X,		J L Hammest	1							, G						× ·	
No 1\0357 Staley Sports Field Kit (optional)			*	American Printing House for the Blind 1839 Frankfort Ave P O Box 6085 Louisville, Kentucky 40206	1				-		•			,		,	,	•	
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1437.

- PROJECT ACTIVE SUPPLY/EQUIPMENT NEEDS

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Chinning Bar	x	1		Nissen Corp	2			×			•				×		X		x
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PEC4806 Walk-On Number Kit	×		_17 85	J A Preston	šet-	***								,	-	•			<u> </u>
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No 92730 Jump Rope (7')	х		1 30	J L Hammett	6		-	×	*	Х.		×							,
Shape Q Ball		X,		Tupperware Products	1	×					:]: ·	7		<u>-</u>		X
PEC2600 Doorway Chinning Bar		x	14 95	J A Preston	1				×	4.5	X	9	ccxo					×	
PEC2766A Deluxe Safe-T-Play Batting Set		×	56 90	J A Preston,	1		X,		.,					-				x :	
PEC2771B Pitch Back		x		J.A. Preston	1		х												<u> </u>
Masking Tape	I^-	x		Local Store	6 roll		х	,						-				×	

PROJECT ACTIVE SUPPLY/EQUIPMENT NEEDS

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EA656 Pre Tumbling Skills		×	12 95	Kimbo Educational	1		x'		† 	-					1	'	<u> </u>		· x
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Foot Disinfectant	X.			Local Drug Store	1 Gal							,	•	×				۶Ţ	

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