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ABSTRACT

The teacher's guide to Orientation to Health Occupations is an outline for a course designed to create student awareness of the broad range of health occupations. It can be adapted for use at the junior high school through postsecondary levels and is designed to be used in a variety of ways. There are 18 units of instruction, each containing one cluster in which several related occupations are presented. Several audiovisual materials are suggested for each unit, to be selected by the teacher with the particular student group in mind. Objectives of the course are outlined, followed by the units, which are organized under the headings of hours, content, instructor's activities, students' behavioral activities, and references. The 18 clusters are: an overview, administration, patient care, dentistry, medical laboratory, health office occupations, medical diagnostic equipment, dietary occupations, social service, drug therapy, rehabilitation, communication skills, special senses, research science, community and environmental health, other occupations, hospital financing, and supportive occupations. (Author/NH)

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Orientation to Health Occupations
A Teacher's Guide

Prepared by
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Division of Vocational Education
Health Occupations Unit
225 West State Street
Trenton, N.J. 08625

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December, 1972

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Introduction

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It is predicted that by 1975 the Health Care Industry will be the largest industry in the nation embracing over five million workers.

In 1900, there were less than two health workers assisting each physician in the care of patients. Twelve health workers complemented each physician in 1970, and the ratio is increasing. Demands for services have expanded and personnel devote their talents and energies to health maintenance, prevention of illness, as well as caring for the ill. New career opportunities will develop as the role of the health worker changes. Educational agencies, therefore, have a responsibility to assist students to prepare for employment in the health care industry.

The purpose of this course is to create student awareness of the broad range of health occupations. It can be adapted for use at the junior high school, high school, post-secondary or adult levels, and is designed to be used in a variety of ways. The program can be offered for one year, one period a day (45 minutes), totaling approximately 180 hours. This can be increased or decreased as time allows, depending upon the student audience. Each unit contains one cluster in which several related occupations are presented. This enables the student to learn about career families within the entire health field. It is hoped that Orientation to Health Occupations will motivate students to seek further education in the health field.

Each health occupation listed, follows an outline that includes a description of the work involved, personal qualifications of the worker, employment opportunities including locations

of employment, working conditions, financial and other rewards, and future outlooks. Educational requirements, including licensure or certification, are also contained in the outline. A sample of this outline is shown in the first unit of each cluster. Several audio-visual materials are suggested for each unit. The teacher should select those which are most appropriate for the individual group. Evaluative tools should be determined and used by the teacher at appropriate intervals throughout the course.

The Division of Vocational Education, Health Occupations Unit, welcomes comments and suggestions from teachers following the use of these outlines.

Joan M. Birchenall
Director, Health Occupations Education

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ORIENTATION TO HEALTH OCCUPATIONS

Course Description:

The purpose of this course is to create student awareness of the broad range of Health Careers.

Course Objectives:

Upon completion of this program:

1. The student will know at least five health care services available to the consumer.
2. The student will be able to list at least one health cluster and identify its members.
3. The student will know at least thirty terms used in health occupations.
4. The student will be able to demonstrate one hands-on experience in each health career cluster.

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UNIT I OVERVIEW

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>A. Selecting a career in health - an overview:</p> <p>1. Factors that influence selection:</p> <p>a. Your own personality - a desire to serve others</p> <p>b. Your own personal experiences</p> <p>c. Physical ability</p>	<p>Discussion</p> <p>Distribute Booklet "Horizons Unlimited"</p> <p>Health Career Series I, II, III, and IV (film strips)</p> <p>Film: "Is a Career in the Health Services For You?" or "Code Blue", 28 min., color, 1971, free</p> <p>or</p>	<p>Listen</p> <p>Read and discuss. Prepare ten questions to ask instructor</p> <p>List ten Health Occupations.</p> <p>Ask questions</p>	<p>Kinsinger, Robert. <u>Career Opportunities, Health Technicians, 1970</u> J.G. Ferguson Publishing Co., Chicago, Ill.</p> <p>American Medical Assn., 535 N. Dearborn St., Chicago, Ill. 60610</p> <p>Lawren Productions, Inc., P. O. Box 1542 Burlingame, Calif. 94010</p> <p>Counselor Films, Inc., 1422 Chestnut St., Philadelphia, Pa. 19102</p> <p>National Audiovisual Center National Archives & Records Service Washington, D.C. 20409</p>

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UNIT I OVERVIEW (Cont'd)	HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	1 hour	B. Trends in Health Care	Lecture	Discussion	<p>State Dept. of Health, Comprehensive Health Planning Agency, John Fitch Plaza, Trenton, N. J. 08625</p> <p>Health Insurance Council, 750 3rd Ave., New York, New York 10017</p> <p>Secretary, Health Planning Section, American Public Health Assn., 1740 Broadway New York, N. Y. 10019</p>
	1.	Comprehensive Health Planning			
	2.	National Health Insurance			
	3.	Health Maintenance Organizations	<p>"Health Power to the People" 20 min. sound slides, rental fee.</p> <p>Selected Health Careers in N. J.</p>	<p>Name 5 health occupational needs of your community</p>	<p>Health Careers Box 28 Town Center Branch West Orange, N.J. 07052</p>
	4.	Health Care Team		<p>Review and ask questions</p>	<p>Public Affairs Office Div. of Planning and Research, Labor & Industry Building, P.O. Box 359 Trenton, N. J. 08625</p>

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UNIT I OVERVIEW (Cont'd) HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	d. Occupational environment 2. Readiness to enter the career of choice 3. Types of Educational Programs 1. Length of programs 2. Accreditation 3. Need for laboratory experience 4. Choosing a program 5. Financial assistance 6. Future outlook 4. Combining career in health with other careers in such areas as: engineering, agriculture, communications, marketing, military, business, accounting, animal care, community service, education, and the fine arts.	Film strips - "Health Careers" Elicit Student Experience Film "Careers in Allied Health Service." 25 min. Charge - \$3. or Film: "Careers in Health" 15 min. color, 16mm. or "Health Careers I, II, III, IV" (film strips) Film - "Horizons Unlimited," 1967, 28 min., color, sound, 16mm. or "Jobs in the Health Field," 11 min., color, sound, free, 1966	State Experiences List five health careers shown in film. List five health careers shown in the film	N.J. Health Careers Service, 375 W. State St., Trenton, N.J. 08618 Mr. Glenn Smith, Univ. of S. Carolina, Audiovisual Division, Columbia, S.C. 29208 United Health Service, Health Career Program, 225 So. 15th St., Phila., Pa. 19102 American Medical Assn., Film Library, 535 No. Dearborn St. Chicago, Ill. 60610 U.S. Dept. of Labor, Employment Security, Wash., D.C. 20213

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UNIT 2 ADMINISTRATIVE CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Health Facilities A. Types of Facilities 1. Hospitals 2. Extended Care Facilities 3. Nursing Homes 4. Clinics 5. Offices 6. Schools 7. Government Agencies - Federal-State-Local 8. Other	Show film, "Hospitals are People." 18 min. color Rental \$8.00 or "A True Story about Hos- pitals." 13 min. color Rental \$4.00 or "The Patient is a Person" 20 min. color, Rental \$4.00 or "The Changing Hospital"	After viewing film, stu- dents will list six (6) departments of hospital	N.J. Hospital Assn., Highway 206, Princeton, N. J. 08540 American Hosp. Assn., 840 N. Lake Shore Dr., Chicago, Ill. 60611
1 hour	B. Administration of Health Facilities 1. Administrator a. Description of work b. Specific charac- teristics required 1. Physical 2. Emotional c. Educational require- ments	Give out booklet "Hospital Administrator" Guest Speaker Hospital Administrator	Read and discuss Two students will volun- teer to interview the guest speaker.	Ideal Pictures, 1010 Church St., Evanston, Ill. 60201 Health Careers of Ohio, P. O. Box 5574, Columbus, Ohio 43221



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UNIT 2 ADMINISTRATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
-	<p>d. Licensure or Certification</p> <p>e. Employment Opportunities</p> <p>1) Location</p> <p>2) Working Conditions</p> <p>3) Financial Rewards</p> <p>4) Other rewards</p> <p>5) Future outlook</p>	<p>Show film "The Changing Picture in Graduate Education for Hospital Administration"</p> <p>Prepare problem for students to role play</p>	<p>Explain the past, present and future role of a hospital administrator</p> <p>or</p> <p>Role play a problem the administrator might face in his daily routine</p>	<p>Amer. Hosp. Assn., 840 N. Lake Shore Dr., Chicago, Ill. 60611</p> <p>Amer. College of Hosp. Administrators, 840 N. Lake Shore Dr., Chicago, Ill. 60611</p> <p>or</p> <p>Assn. of Univ. Programs in Hosp. Administration, 1 Dupont Circle, Wash., D. C. 20036</p>
4 hours		<p>Plan trip to Health Care Facility</p>	<p>Discussion of areas visited - observations and general feelings</p>	<p>Health Care Facility</p>

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UNIT 2 ADMINISTRATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	3. Hospital Personnel Director a.) b.) as above c.) d.) e.)	Lecture	Discussion	Amer. Society for Personnel Admin., 52 E. Bridge St., Berea, Ohio 44107 N. J. Hosp. Assn., Rte. 206, Princeton, N. J. 08540 Public Personnel Assn., 1313 E. 60th St., Chicago, Ill. 60637 Amer. Society for Hosp. Personnel Directors, 840 N. Lake Shore Dr., Chicago, Ill. 60611

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UNIT 3 PATIENT CARE CLUSTER HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>Introduction to Patient Care</p> <p>A. Overview</p> <p>The patient care team is headed by the physician or dentist. Other patient care personnel work with him in supportive or preventive tasks.</p>	<p>Lecture</p>	<p>Discussion</p>	<p>Medical Society of N.J. 315 W. State Street Trenton, N.J. 08618</p>
1 hour	<p>B. Physician - list some specialty areas. Example: Dermatology, neurology, obstetrics, otolaryngology, health care facility administrator, etc.</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a) Physical b) Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a) Location b) Working conditions c) Financial Rewards d) Other Rewards e) Future Outlook 	<p>Show Film "Counter Attack" 29 min. color Sound 16mm Free</p> <p>or</p> <p>"Someone You Can Trust-Someone You Can Be", 29 min. color sound 16mm 1966</p> <p>Distribute copies of <u>Ars Medico</u></p> <p>"To Seek...To Teach... To Heal" 29 min. color, 1969, free</p>	<p>Discuss rewards and challenges of a career in medicine</p>	<p>Modern Talking Picture Service, 1234 Spruce St. Philadelphia, Pa. 19107</p> <p>American Academy of General Practice, Volker Blvd. at Brookside, Kansas City, Missouri 64112</p> <p>Same as above</p> <p>Assn.-Sterling Films 866 3rd Avenue New York, N.Y. 10022</p>

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour		<p>Divide students into groups of two - Give each a stethoscope and demonstrate use. Let them listen to various body sounds</p> <p>Booklet "Physician"</p>	<p>Listen and describe sounds heard</p>	<p>Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221</p>
1 hour	<p>C. Physician's Assistant</p> <ol style="list-style-type: none"> 1.) 2.) follow outline as 3.) under physician 4.) 5.) 	<p>Have students watch a "Doctor Series" TV show</p>	<p>Read and discuss</p> <p>Three students will give oral reports of TV show observed</p>	<p>American Medical Assn. 535 North Dearborn St. Chicago, Ill. 60610</p>
2 hours	<p>D. Nursing Occupations</p> <ol style="list-style-type: none"> 1. Registered Nurses <ol style="list-style-type: none"> a. Baccalaureate Degree Nurse <ol style="list-style-type: none"> 1.) 2.) 3.) 4.) 5.) 	<p>Film: "Mrs. Reynolds Needs a Nurse", B/W, 38 min., 1963, Charge-\$8.00</p> <p>Film: "Future Nurse" or "Nursing-An Adventure in Learning", 28 min. color sound, 1969</p>	<p>Discuss 3 tasks of a nurse</p> <p>List three advantages in field of nursing</p>	<p>ANA-MLN Nursing Careers Program, American Nurses Assoc., 10 Columbus Circle New York, New York 10019</p> <p>ANA-MLN Film Library 267 West 25th Street New York, New York 10001</p> <p>Same as above</p> <p>Same as above</p>



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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	b. Associate Degree Nurse 1.) as under 2.) Physician 3.) 4.) 5.)	Booklet "Do You Want to Be a Nurse?"	Read and discuss	National League of Nursing 10 Columbus Circle New York, New York 10019
	c. Diploma Nurse 1.) 2.) 3.) 4.) 5.)	Book "Your Future in Nursing" by Virginia B. McDonnell	Read and discuss	Richards Rosen Press, Inc. 29 East 21st Street New York, New York 10010
	d. Nursing Specialties	Film "In These Hands" 18 min., color, sound 16 mm, free, 1966	Discuss roles of a nurse anesthetist Read and discuss	American Assoc. of Nursing Anesthetists, 3010 Prudential plaza, Chicago, Ill. 60601 Same as above
	1. Nurse Anesthetist a. Description of Work b. Specific characteristics required 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment Opportunities 1.) Location 2.) Working Conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Booklet "Anesthesia - A Special Type of Nursing" 1965 Free		



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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>2. Public Health Nurse a.) as under Nurse b.) Anesthetist c.) d.) e.)</p>	<p>Show film "The Road" 28 min. B/W Sound, 1968 Rental or "The Road Back" 23 min. B/W Sound, 1966</p>	<p>Discuss the public health nurse in her areas of work Discuss the role of the visiting nurse as shown in the film Record personal immunizations</p>	<p>American Journal of Nursing Co., Ed. Services Division, Film Library, 267 West 25th St., New York, N.Y. 10001 American Red Cross 17th and D Street Washington, D.C. 20006</p>
2 hours	<p>3. School Nurse a.) as under Nurse b.) Anesthetist c.) d.) e.)</p>	<p>Assign students to record their personal immunizations</p>	<p>Read and discuss</p>	<p>American Association of Industrial Nurses 170 East 61st Street New York, New York 10021</p>
2 hours	<p>4. Industrial Nurse a.) as under Nurse b.) Anesthetist c.) d.) e.)</p>	<p>Booklet "Have You Considered a Career in Occupational Health Nursing?" Free</p>	<p>Each panelist will discuss the similarities and differences in educational preparation, etc. according to outline listed in introduction of each type of nurse.</p>	<p>National League for Nursing 10 Columbus Circle New York, N.Y. 10019 N.J. League for Nursing 605 Broad Street Newark, N.J. 07102 N.J. State Nurses Assn. 60 South Fullerton Ave. Montclair, N.J. 07042</p>



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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>6. Office Nurse</p> <ul style="list-style-type: none"> a.) as under Nurse b.) Anesthetist c.) d.) e.) <p>E. Licensed Practical/ Vocational Nurse</p> <ul style="list-style-type: none"> a.) Description of Work b.) Specific characteristics required <ul style="list-style-type: none"> 1.) Physical 2.) Emotional c.) Educational requirements d.) Licensure or certification e.) Employment Opportunities <ul style="list-style-type: none"> 1.) Location 2.) Working Condition 3.) Financial rewards 4.) Other rewards 5.) Future outlook 	<p>Hands-on experience Demonstrate application of an arm sling. Discuss importance and uses.</p> <p>Film "Helping Hands for Julie", 25 min., Bl/W sound, 16mm, 1958</p> <p>Hand out booklets (NAPNES) "Career Opportunities as a LPN" 1968 Free</p> <p>Booklet "Licensed Practical Nurse", free</p> <p>Film "Nurse Please", 28 min., color, sound, 16mm, 1954</p>	<p>Return demonstration. List five steps in applying an arm sling</p> <p>Discuss story portrayed in film</p> <p>Read and discuss</p> <p>Read and discuss</p> <p>Discuss opportunities available to L.P.N.'s</p>	<p>N.J. Board of Nursing 1100 Raymond Boulevard Room 319 Newark, N. J. 07102</p> <p>First-Aid Textbook American Red Cross</p> <p>LPN Assn. of N.J., Inc. 7575 Springfield Ave. Irvington, New Jersey</p> <p>Assn. Sterling Films 347 Madison Avenue New York, N. Y. 10017</p> <p>National Association for Practical Nurse Ed. & Serv 1465 Broadway New York, N. Y. 10036</p> <p>National Fed. of LPN, Inc. 250 West 57th Street New York, N.Y. 10019</p> <p>N.J. Dept. of Labor & Indu Div. of Employment Security Trenton, N.J. 08625</p> <p>Trident Films, 131 East 36th Street, New York, New York 10016</p>

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>F. Nursing Assistant (Nurse Aide, Attendant, Orderly, Corpsman)</p> <p>a.) Description of Work</p> <p>b.) Specific characteristics required</p> <p>1.) Physical</p> <p>2.) Emotional</p> <p>c.) Educational requirements</p> <p>d.) Licensure or certification</p> <p>e.) Employment Opportunities</p> <p>1.) Location</p> <p>2.) Working Conditions</p> <p>3.) Financial rewards</p> <p>4.) Other rewards</p> <p>5.) Future outlook</p>	<p>Booklet "Nurse Aide" free 1969</p> <p>Film: "Lady with a Lamp" or</p> <p>"Lift Thine Eyes" 20 min. B17W, Sound 1959 or</p> <p>"Military Nurse" or</p> <p>"To Care Enough" or</p> <p>"Attendant: Role of the Psychiatric Aide"</p> <p>Film: "Nurse Aide"</p>	<p>Read and discuss</p> <p>Discussion of film</p> <p>Discuss role of military patient care personnel.</p> <p>Discuss role of psychiatric aide as portrayed in the film</p> <p>Discussion of film</p>	<p>N.J. Dept. of Labor & Indu Div. of Employment Security, Trenton, N.J. 08625</p> <p>United Health Services 225 South 15th Street Philadelphia, Pa. 19102</p> <p>Northwestern University Film Library, Speech Annex, Evanston, Ill. 60201</p> <p>U.S. Dept. of LABOR, Rm. 3C972, The Pentagon Washington, D.C. 20501</p> <p>E.E.G.E. Association 4715 Kingessing Avenue Philadelphia, Pa. 19143</p> <p>John Sylvia, Medical Service Representative, Dow Chemical Co., 906 Stafford Drive, Toms River, N. J.</p> <p>N.J. Occupational Research Development Resource Center Bldg. 871, Plainfield Ave. Edison, N.J. 08817</p>
1 hour	<p>G. Specialty Technician</p> <p>1. Operating Room/Surgical</p>			



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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (App: 2X.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	a.) Description of Work b.) Specific characteristics required 1.) Physical 2.) Emotional c.) Educational requirements d.) Licensure or certification e.) Employment Opportunities 1.) Location 2.) Working Conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Film "Building Training Programs for O.R. Technicians," 10 min. \$15. charge Booklet "Surgical Assistant"	Discussion of film Read and discuss	Davis & Geck, Div. of Amer. Cyanamid Co., Film Library, 1 Casper Street Danbury, Conn. 06810 Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221
	2. Mental Health a.) b.) as under Operating Room/ Surgical d.) e.)	Booklet "Find Your Future in a Mental Health Career", 1958 Free	Read and discuss	National Assn for Mental Health 10 Columbus Circle New York, New York 10019
	3. Psychiatric Technician a.) b.) c.) d.) e.)			



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UNIT 4 DENTAL CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>Introduction to Dental Occupations:</p> <p>A. Overview - The dental health team is headed by a dentist. Other dental personnel work with him in supportive or preventive tasks</p> <p>B. Dentist</p> <p>1. Specialist</p> <p>a. Oral Surgeon</p> <p>1. Description of Work</p> <p>2. Specific characteristics required</p> <p>a. Physical</p> <p>b. Emotional</p> <p>3. Educational requirements</p> <p>4. Licensure or certification</p>	<p>This unit could be presented as a panel of speakers: dentist, dental hygienist, dental assistant, and dental laboratory technician.</p> <p>Elicit student discussion</p> <p>Film: "Preventive Dentistry" 45 min.</p> <p>Exhibit model of a tooth for the students to examine. Hand out diagram with parts labeled</p> <p>Handout - "Dentist"</p> <p>Film "Challenge of Dentistry", 28 min., color or</p> <p>"Pattern of a Profession" 28 min., color, sound, 16mm</p>	<p>State past experiences related to dental occupations</p> <p>Discuss role of preventive dentistry as shown in film</p> <p>Identify the parts of the tooth and the function of each part</p> <p>Name 5 advantages of a career in dentistry</p> <p>Name four fields in which dentists can work</p> <p>Name four fields in which dentists can work</p>	<p>Council of Dental Education American Dental Assn. 222 East Superior Street Chicago, Ill. 60611</p> <p>Procter & Gamble Distributing Company 555 E. City Line Ave. Bala-Cynwyd, Pa.</p> <p>Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221</p> <p>American Dental Assn. 211 East Chicago Ave. Chicago, Ill. 60611</p> <p>Same as above</p>



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UNIT 4. DENTAL CLUSTER (Cont'd)

HOURS (App. ex.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	<p>5. Employment Opportunities</p> <p>a.) Location</p> <p>b.) Working conditions</p> <p>c.) Financial rewards</p> <p>d.) Other Rewards</p> <p>e.) Future Outlook</p>	<p>"What About Tomorrow?" 26 min., color, 1971 free</p> <p>Optional Activity - describe and display materials and instruments used in each specialty</p>	<p>What are the dental needs of your community? Discuss</p> <p>Observe and examine</p>	<p>Modern Talking Pictures 2323 New Hyde Park Road New Hyde Park, N.Y. 11040</p>
	<p>b. Orthodontist</p> <p>1.</p> <p>2.</p> <p>3. as above</p> <p>4.</p> <p>5.</p>			
	<p>c. Periodontist</p> <p>1.</p> <p>2.</p> <p>3. as above</p> <p>4.</p> <p>5.</p>			
	<p>d. Prosthodontist</p> <p>1.</p> <p>2.</p> <p>3. as above</p> <p>4.</p> <p>5.</p>	<p>Specialty pamphlets. Series 1, 2, 3, 4, 5, 6</p>	<p>Read and discuss</p>	<p>Colgate Professional Serviced Dept., Colgate- Palmolive Company 740 North Rush Street Chicago, Ill. 60611</p>



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UNIT 4 DENTAL CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	<p>e. Periodontist</p> <ol style="list-style-type: none"> 1. 2. 3. as above 4. 5. 			
	<p>f. Endodontist</p> <ol style="list-style-type: none"> 1. 2. 3. as above 4. 5. 			
	<p>g. Other</p> <ol style="list-style-type: none"> 1. 2. 3. as above 4. 5. 			
1 hour	<p>C. Dental Hygienist</p> <ol style="list-style-type: none"> 1. Description of Work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 	<p>Film "A Bright Future," Amer. Dental Assoc., 28 min., color, sound, 16 mm, 1967, free loan or Film "Dental Hygiene" 28 min. Booklet "Careers in Dental Hygiene"</p>	<p>Describe 2 tasks of a dental hygienist</p> <p>Read and discuss</p>	<p>American Dental Hygienist Assoc., 211 East Chicago Chicago, Ill. 60611</p> <p>Same as above</p> <p>Same as above</p>

Orientation to Health Occupations

UNIT 4 DENTAL CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
5.	Employment Opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Correct Method of brushing teeth with Dental Kit large scale model of teeth and large brush. Demonstrate use of dental floss. Describe and discuss "plaque". Its relation to decay & periodontal disease	Have students return demonstration Have students return the demonstration Discuss "plaque" control	Crest, Professional Sciences Div., Proctor-Gamble Co., Cincinnati, Ohio Lactoma Inc., St. Paul, MN. (concerns big toothbrush & teeth) (Dental Kits also available from Colgate. See Page 17 for address)
1 hour	Dental Assistant 1. Follow outline 2. under Dental Hygienist 3. 4. 5.	Film "Dental Assistant - A Career Service", 13 min. color, sound, 16mm, 1962 free loan or "The Dental Assistant - An Extra Pair of Hands" (filmstrip), color, 11mm Booklet "Dental Assistants" or Booklet "Dental Assistants"	Describe 2 tasks of a Dental Assistant Same as above Read and discuss Read and discuss	U.S. Public Health Service Bureau of Health Manpower, Dental Division, Woodmont & Rugby St., Bethesda, Md. Communicable Disease Center U.S. Public Health Service P. O. Box 185 Chamblee, Georgia 30005 Science Research Associates, Inc., 259 East Erie Street Chicago, Ill. 60611 Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221

Orientation to Health Occupations

UNIT 4 DENTAL CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours		<p>Display instruments used by dental personnel - this can be presented any time during this cluster</p> <p>Book "Your Future as a Dental Assistant" by Janice C. Frost, 1970 187 pages</p> <p>Give each student a slab, cement, and mixing fluid</p>	<p>Examine instruments</p> <p>Read and discuss</p> <p>Practice mixing material on glass slab.</p> <p>Prepare bulletin board or poster to show four areas of this field.</p>	<p>Richards Rosen Press, Inc 29 East 21st Street New York, N.Y. 10010</p>
	<p>E. Dental Laboratory Technician</p> <ol style="list-style-type: none"> 1.) 2.) 3.) As under Dental 4.) Hygienist 5.) 	<p>Film loop "Dental Lab Technicians"</p> <p>Health Careers of Ohio booklet "Dental Laboratory Technologist"</p>	<p>Discuss 5 duties of a dental lab technician</p>	<p>Encyclopaedia Britannica Ed. Corp. Dept. 10A 425 N. Michigan Avenue Chicago, Ill. 60611</p> <p>Nat'l Assn. of Dental Laboratories, 734 15th St, N.W., Washington, D. C. 20006</p>
1 h. r	<p>F. Dental Secretary</p> <ol style="list-style-type: none"> 1.) 2.) 3.) 4.) 5.) 		<p>Read and discuss</p>	

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UNIT 4 DENTAL CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours - Depending on prox- imity of lab	<p>0. Dental Receptionist</p> <ol style="list-style-type: none"> 1.) 2.) 3.) as under Dental 4.) Hygienist 5.) 	<p>If time permits and students are interested, this unit may be summarized by role playing the various careers presented in this cluster</p> <p>Arrange trip to a dental laboratory or a dental clinic or a dental office or college. Guide discussion following field trip</p>	<p>Choose roles and role play various dental careers</p> <p>Observe impressions, plates and samples of materials used. Discuss observations following field trip</p>	<p>Local dental laboratory, dental clinic, dental office, or college dental department</p>

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UNIT 5 MEDICAL LABORATORY CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>Introduction to Medical Laboratory Occupations</p> <p>A. Overview</p> <p>The medical laboratory, headed by a Pathologist, uses a team of technologists, technicians, assistants, and aides. They assist in the diagnosis and treatment of disease by scientifically testing the patient's blood, tissues, body fluids, and secretions</p>	<p>Elicit student discussion of experiences related to this cluster</p> <p>Give each student culture plate</p>	<p>State experiences related to this area of health</p> <p>Take culture from environment. Read culture plates in 1 week.</p>	<p>American Society of Medical Technologists, Suite 1600 Hermann Bldg., Houston, Texas 77025</p> <p>American Society of Clinical Pathologists 710 S. Wolcott Ave. Chicago, Ill 60612</p>
1 1/2 hours	<p>B. Medical Laboratory Technologist</p> <ol style="list-style-type: none"> 1. Description of Work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment Opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Show film "Medical Technologists", 23 min., color, sound, 16mm or</p> <p>"Detectives of Disease" 17 min., color, sound, 16mm, 1965 or</p> <p>"In a Medical Laboratory" 28 min., color, sound, 16mm, 1966</p>	<p>State experiences involved in this career</p> <p>Students will answer: "What are the specialties of pathology?"</p> <p>Discuss pathologist, medical technologist, cytotechnologist, and histologic technician, as shown in film</p>	<p>Nat'l Committee for Careers in Medical Technology, 9650 Rockville Pike, Bethesda, Md. 20014</p> <p>Benedum School of Medical Technology, 4800 Friends Ave., Pittsburgh, Pa. 15</p> <p>Nat'l Committee for Care in Medical Technology 9650 Rockville Pike, Bethesda, Md. 20014</p>

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UNIT 5 MEDICAL LABORATORY CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1/2 hour	C. Certified Laboratory Assist. 1.) 2.) follow outline under 3.) Medical Laboratory 4.) Technologist 5.)	Booklet "Medical Techno- logist" Book "Your Future in Medical Technology" by Grace Paul, 1970 Illus. 163 pages	Read and discuss Read and discuss	Nat'l Committee on Career in Medical Technology 1501 New Hampshire Ave., Washington, D.C. 20036 Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221 Richards Rosen Press, Inc 29 East 21st Street New York, N.Y. 10010 N.J. Society of Medical Technologists, 15 Clum Av Fords, N. J. 08863 American Medical Assn. 535 North Dearborn St. Chicago, Ill. 60610 Board of Certified Lab Assistants, 445 N. Lake Shore Drive, Chicago, Ill. 60611 Registry of Medical Techn gists, American Society o Clinical Pathologists, 71 Wolcott Ave., Chicago, Il 60612
1 hour	D. Laboratory Aide 1.) 2.) follow outline under 3.) Medical Laboratory 4.) Technologist 5.)	Film "Hospital Sepeis" Display equipment used in this cluster (Ex. pipet, reagents, flasks, beakers, etc.) Lecture Assemble equipment for lab practice	Discuss cultures illus- trated in film Examine Discussion View prepared slides under microscope (Ex. Pap Smears)	

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UNIT 5 MEDICAL LABORATORY CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1½ hours	E. Cytotechnologist 1.) follow outline under 2.) Medical Laboratory 3.) Technician 4.) 5.)	Collect urine samples from several students. Demonstrate clinitest Show film "Human Cell and the Cytotechnologist" 22 min., color, sound, 16mm, 1957	Return demonstration Discuss duties of a cytotechnologist	Careers in Medical Techno. 9650 Rockville Pike Bethesda, Md. 20014
1 hour	F. Histologic Technician 1.) 2.) 3.) as above 4.) 5.)	Prepare equipment	Examine microscopically prepared slides	Registry of Medical Technologists Box 2544 Muncie, Indiana 47302
1½ hours	G. Blood Bank Technologist 1.) 2.) 3.) as above 4.) 5.)	Booklet "Histologic Technician" Guest speaker from a blood bank Type blood of students	Read and discuss Interview speaker Allow blood to be typed Observe and discuss procedure	Careers, P.O. Box 135, Largo, Florida 3354C
4 hours		Film "Collecting Blood Samples" Plan field trip to a clinical pathology laboratory. Point out equipment (ex. photometer) used	Discuss methods shown in film Discussion of observations following trip to clinical pathology laboratory	Becton, Dickinson and Co. Advertising Manager Chicago, Ill. 60646 Clinical pathology Laboratory

Orientation to Health Occupations

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>Introduction to Office Occupations Related to Health</p> <p>A. Overview</p> <p>A team of workers that aid the physician with administrative, statistical, and clerical duties.</p>	<p>Lecture</p>	<p>Discussion</p>	
1 hour	<p>B. Medical Records</p> <ol style="list-style-type: none"> 1. Medical Record Librarian <ol style="list-style-type: none"> a. Description of Work b. Specific characteristics required. <ol style="list-style-type: none"> 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities <ol style="list-style-type: none"> 1. Location 2. Working conditions 3. Financial reward 4. Other rewards 5. Future outlook 	<p>Booklet "Medical Record Librarian" Free</p> <p>Film "Faith, Facts & Fingertips" 12 min., color, 1969, free</p> <p>Guest speaker from Medical Record Library</p> <p>Simulate a hypothetical court case involving subpoena of patient's hospital record</p>	<p>Read and discuss</p> <p>Discuss the operations of a medical records department</p> <p>Interview by students in a class</p> <p>Role play</p>	<p>American Assn. of Medical Record Librarians, 2111 East Chicago Ave. Chicago, Ill. 60611</p> <p>Same as above</p> <p>N.J. Medical Records Assn. 65 Bergen Street Newark, N. J. 07107</p> <p>Local hospital</p>

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	2. Medical Record Tech. a.) b.) Same as Medical c.) Record Librarian d.) e.)	Booklet "Medical Records Technician" Demonstrate dictation and transcription machines	Read and discuss Each student will dictate a prepared paragraph into the machine. Each student will listen and transcribe a paragraph from machine.	Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221
1 hour	3. Transcriptionist a.) b.) c.) Same as above d.) e.)	Display equipment used in this cluster (Ex. card files, rotary file, filing supplies, etc.)	Examine, ask questions	
1 hour	4. Coding Clerk a.) b.) c.) Same as above d.) e.)	Plan field trip to Medical Records Department of local hospital	Discussion of observations following field trip to Medical Records Library	Local hospital
1 hour	5. File Clerk a.) b.) c.) Same as above d.) e.)			

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>C. Medical Assistant</p> <ol style="list-style-type: none"> 1. Description of Work 2. Specific characteristics required <ol style="list-style-type: none"> a.) Physical b.) Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Booklet "Plan Your Career As a Medical Assistant"</p> <p>Demonstrate taking of heights and weights</p> <p>Quarterly magazine: "Medical Assistant" free</p>	<p>Read and discuss</p> <p>Return demonstration</p> <p>Read and discuss current articles</p>	<p>American Assn. of Medical Assistants, Inc. 200 East Ohio Street Chicago, Ill. 60601</p> <p>Smith Kline & French Laboratories, Services Dept. E-10 1500 Spring Garden St. Philadelphia, Pa. 19101</p>
	<p>D. Medical Secretary</p> <ol style="list-style-type: none"> 1. Description of Work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Booklet "Medical Secretary" 1965</p> <p>Guest speaker-Medical Secretary</p> <p>Booklet "The Secretary and the Telephone"</p> <p>Pre-recorded tapes</p>	<p>Read and discuss</p> <p>Interview guest speaker</p> <p>Read and discuss</p> <p>Listen and discuss</p>	<p>Chronicle Guidance Briefs Chronicle Guidance Pub. Moravia, N.Y. 13118</p> <p>Local doctor's office</p> <p>Local Telephone Business Office</p> <p>Same as above</p>

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>E. Medical Receptionist</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Simulate a case study for students to role play</p> <p>Booklet "Receptionist"</p>	<p>Role Play - Receptionist and various types of patients - aggressive, hostile, anxious and pleasant</p> <p>Read and discuss</p>	<p>American Medical Assn. 535 North Dearborn St. Chicago, Ill. 60610</p> <p>Chronicle Guidance Briefs Chronicle Guidance Publications Moravia, N. Y. 13118</p>
1 hour	<p>F. Admitting Office</p> <ol style="list-style-type: none"> 1. Supervising admitting clerk/worker/officer <ol style="list-style-type: none"> a. Description of work b. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Guest speaker from admitting office of local health care facility</p> <p>Booklet "Hospital Admitting Officer"</p>	<p>Interview or ask questions</p> <p>Read and discuss</p>	<p>Local health care facility</p> <p>American Hospital Assn. 840 Lake Shore Drive Chicago, Ill. 60611</p> <p>Financial Executive Inst. 50 West 14th Street New York, N. Y. 10001</p>

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	<p>2. Admitting clerk/worker</p> <ul style="list-style-type: none"> a. b. c. Same as Supervising d. admitting clerk/worker e. officer 	<p>Simulate an admission situation for students to role play</p>	<p>Role play</p>	
	<p>3. Patient Service Representative</p> <ul style="list-style-type: none"> a. b. c. Same as above d. e. 			
2 hours	<p>G. Business Office</p> <ul style="list-style-type: none"> 1. Hospital Business Office Manager <ul style="list-style-type: none"> a. Description of work b. Specific characteristics required <ul style="list-style-type: none"> 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1. Location 2. Working conditions 3. Financial rewards 4. Other rewards 5. Future Outlook 	<p>Divide students into groups. Give students recent newspapers.</p>	<p>Prepare college of advertisements from newspapers related to openings available in health office occupations</p>	<p>Location of Daily Newspapers</p>
		<p>Arrange for telephone training program (2 units - Business Studies and Speech)</p>	<p>Practice case material</p>	<p>Local Telephone Business Office</p>

Orientation to Health Occupations

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Cashier a. Same as for Hospital b. Business Office c. Manager d. Manager e.	Booklet "Qualifications of the Hospital Accountant" by Joseph Tonascia 1967 Free	Read and discuss	Careers P. O. Box 135 Largo, Fla. 33540
	3. Account Clerks a. Same as above b. Same as above c. Same as above d. e.	Book "Your Future in the Credit Field" by M.R. Neifield, Ph.D.	Read and discuss	Richards Rosen Press, Inc. 29 East 21st Street New York, N.Y. 10010
1 hour	H. Unit Administration Depart- ment 1. Unit Manager (Ward Manager) a. Description of work b. Specific character- istics required 1. Physical 2. Emotional c. Educational requirements d. Licensure or certifica- tion	Guest speaker - Unit Manager	Interview of speaker by students	Local hospital

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook 2. Nursing Service Clerk (Ward Clerk) a.) b.) c.) Same as above d.) e.)	Plan field trip to local hospital to observe Unit Manager at work	Discuss observations following field trip	Local hospital



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UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (A.V.'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1/2 hour	<p>Introduction to Occupations Related to Medical Diagnostic Equipment</p> <p>A. Overview</p> <p>This team is trained in the operation, maintenance, or development of sophisticated medical equipment which assist the physician in making accurate diagnoses</p>	<p>Lecture</p>	<p>Discussion</p>	<p>American College of Radiology 20 North Wacker Drive Chicago, Ill. 60606</p> <p>American Society of Clinical Pathologists, 710 S. Wolcott Ave., Chicago, Ill. 60612</p>
4 hours	<p>B. Electroencephalographic Technician (EEG)</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Hand out booklet "EEG Technician"</p> <p>Plan field trip to health care facility</p> <p>Plan for technicians to demonstrate their equipment</p>	<p>Read and discuss</p> <p>Field trip to observe EEG, EKG, and EMG at hospital</p> <p>Discussion of observations</p>	<p>Michigan Employment Security Commission, State Administrative Office 7310 Woodward Avenue Detroit, Michigan 48202</p> <p>Contact Local Hospital</p> <p>American Hospital Assn. 8140 North Lake Shore Drive Chicago, Ill. 60611</p>



UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT CLUSTER (Cont'd) **BEST COPY AVAILABLE**

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	<p>C. Electrocardiographic Technician (EKG)</p> <ol style="list-style-type: none"> 1. 2. 3. Same as under EEG 4. 5. 	Same as under EEG	Same as under EEG	Same as under EEG
	<p>D. Electromyography Technician (EMG)</p> <ol style="list-style-type: none"> 1. 2. 3. Same as above 4. 5. 	Same as above	Same as above	Same as above
2 hours	<p>E. Radiologic Technician</p> <ol style="list-style-type: none"> 1. Diagnostic Technician <ol style="list-style-type: none"> a. Description of work b. Specific characteristics required <ol style="list-style-type: none"> 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities <ol style="list-style-type: none"> 1.) Location 2.) Working conditions 	<p>Film "More Than a Job" 27 min., color, sound, 16mm 1969, free loan or</p> <p>Training in X-Ray Technology", 13 min., black and white, 16mm 1963</p>	<p>Discuss duties of a radiological technologist</p> <p>Discuss the field of X-ray technology portrayed in the film</p>	<p>American Society of Radiologic Technologists 645 N. Michigan Ave. Chicago, Ill. 60611</p> <p>GAF Corporation X-Ray Marketing 140 West 51st Street New York, N.Y. 10020</p> <p>Dept. of Radiology, Stanford University Palo Alto, Cal. 94304</p>

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UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	3.) Financial rewards 4.) Other rewards 5.) Future outlook	Booklet "Radiologic Technologists"	Read and discuss	Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43271
2. Therapeutic Technician a. b. c. Same as above d. e.				N.J. Society of Radiologic Technologists P. O. Box 212 Metuchen, N.J. 08840
3. Nuclear Medicine Technician a. b. c. Same as above d. e.		Film "Atoms for Health"	Discuss film	U.S. Atomic Energy Commission Society of Nuclear Medicine 211 East 43 Street New York, New York 10017
4. Nuclear Medicine Technologist a. b. c. Same as above d. e.		Film "The Strange Case of the Cosmic Rays" 59 min.	Discuss mysteries of cosmic rays	Local Telephone Business Office Society of Nuclear Medical Technologists 1201 Waukegan Road Deerview, Ill. 60025 Photo Products Dept. E. I. DuPont Co., Inc. Wilmington, Del. 19898



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UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>F. Respiratory Technicians</p> <ol style="list-style-type: none"> a. Cardipulmonary Technician b. Description of work specific characteristics required <ol style="list-style-type: none"> 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities <ol style="list-style-type: none"> 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook 	<p>Film "Breath of Life" 16 min. Local Heart Assn.</p> <p>Film "Rescue Breathing" 21½ min.</p>	<p>Each student will be able to list the steps to follow in a respiratory emergency</p> <p>Return demonstration shown on film</p>	<p>Local Heart Association</p> <p>Local Telephone Business Office</p>
2 hours	<ol style="list-style-type: none"> 2. Inhalation Therapy Technician <ol style="list-style-type: none"> a. b. c. Same as above d. e. 	<p>Demonstrate breathing techniques on Resuscitation Anne</p> <p>Booklet "A Career in Inhalation Therapy"</p> <p>Booklet "The Career You Want"</p>	<p>Return demonstration</p> <p>Read and discuss</p> <p>Read and discuss</p>	<p>American College of Chest Physicians 112 Chestnut Street Chicago, Ill. 60611</p> <p>Inhalation Therapy Dept. Overlook Hospital Summit, New Jersey 07901</p> <p>T.B. Respiratory Assn. of Central N.J., 12 Balwin Ave., Jersey City, N.J. 07304</p>



Orientation to Health Occupations

UNIT 7 . OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT CLUSTER (Cont'd) BEST COPY AVAILABLE

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>6. Biomedical Equipment Technician</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Guest speaker - inhalation therapist</p> <p>Consult local drug manufacturers for available audio-visual materials on bio-medical equipment</p> <p>Lecture</p>	<p>Interview guest speaker</p>	<p>American Assn. for Inhalation Therapy 4075 Main St., Suite 316 Riverside, Cal. 92501</p>
4 hours		<p>Plan field trip-plan for personnel to demonstrate specific apparatus used in each department</p>	<p>Discussion</p> <p>Field trip Inhalation Therapy Dept., Cardio-Pulmonary Dept. and Radiological Dept. Student practice, if feasible; ex. IPPB Discussion of observations following field trip</p>	<p>American Medical Assn. 535 North Dearborn St. Chicago, Ill. 69610</p> <p>Contact local hospital American Society of Pathologic Technologists 517 South Main Dodge Co Lac, Wis. 54935</p>



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UNIT 8 DIETARY OCCUPATIONS CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1/2 hour	<p>Introduction to Dietary Occupations (Food Service)</p> <p>A. Overview - This team is trained in caring for the nutritional needs of patients</p>	<p>Lecture</p> <p>Assign students to record food intake for one day. Discuss reports when completed</p>	<p>Discussion</p> <p>Keep record of food intake for a day. Discussion</p>	<p>N.J. State Health Dept. Div. of Consultation Services John Fitch Plaza. Trenton, N.J. 08625</p>
1 hour	<p>B. Nutritionist</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook <p>C. Dietitian</p> <ol style="list-style-type: none"> 1. Administrative Dietitian <ol style="list-style-type: none"> a. b. c. Same as above d. e. 	<p>Guest speaker - "Nutritionist"</p> <p>Show film "Toward the Victory of Health" 14 min. color, sound, 16mm, 1967, free</p>	<p>Interview speaker. Ask about malnutrition and hunger in the U.S.A.</p> <p>Discuss two advantages of being a dietitian or a nutritionist.</p>	<p>American Home Economics Assn. 1600 20th St., N.W. Washington, D.C. 20009</p> <p>Modern Talking Service 1234 Spruce Street Philadelphia, Pa. 19107</p>
		<p>Hand out booklet "Dietitian"</p> <p>Film "The Career Game" 14 min., color, 1970, free loan</p>	<p>Read and discuss</p> <p>Describe three types of dietitians portrayed in the film</p>	<p>Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221</p> <p>Modern Talking Pictures 2323 New Hyde Park Road New Hyde Park, N.Y. 11040</p>



Orientation to Health Occupations

UNIT 8 DIETARY OCCUPATIONS CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Therapeutic Dietitian a. b. Same as Administrative c. Dietitian d. e.	Explore with students therapeutic diets	Volunteer personal know- ledge of any therapeutic diet	American Dietetic Assn. 620 North Michigan Ave. Chicago, Ill. 60611
	3. Clinic Dietitian a. b. Same as above c. d. e.			
	4. Teaching Dietitian a. b. Same as above c. d. e.			
$\frac{1}{2}$ hour	D. Food Service Supervisor 1.) 2.) 3.) Same as above 4.) 5.)	Booklet "Careers in Quantity Food Service"	Read and discuss	Nat'l Restaurant Assn. 1530 North Lake Shore Drive Chicago, Ill. 61610

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UNIT 8 DIETARY OCCUPATIONS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
E. Dietary Technician a. b. Same as Administrative c. Dietitian d. e.	Lecture	Discussion		
F. Food Service Worker a. b. Same as above c. d. e.	Booklet "The Science and Technology of Food"	Read and discuss	Aid in preparation of trays. Students will eat what they have prepared	Institute of Food Technologists 221 North LaSalle St. Chicago, Ill. 60611
3 hours	Prepare a tray for patient on a regular diet. Have students assist. Home Economics Dept. could be used.	Aid in preparation of trays. Students will eat what they have prepared	Tour dietary department. Discuss observations following trip.	The Hospital, Institution and Educational Food Service Society 620 North Michigan Ave. Chicago, Ill. 60611
4 hours	Plan field trip to a dietary department of a health facility, school or commercial establishment			



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UNIT 9 SOCIAL SERVICE CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>Introduction to Social Service Occupations</p> <p>A. Overview A group of workers who help people resolve their social and emotional problems</p> <p>B. Medical Social Worker</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Lecture</p> <p>Speaker - Medical social worker</p> <p>Book: "A Definitive Study of Your Future in Social Work". Bertram Beck. Dec. 1968 - 163 pp. \$2.79</p> <p>Film: "The Social Worker" 17 min, color, 1967, rental or</p> <p>Film "Harlem Crusader" 29 min., Bl/Wb, 1965 rental</p> <p>See page 48 for field trip to psychiatric hospital</p>	<p>Discussion</p> <p>Interview speaker</p> <p>Read and discuss</p> <p>Name three community problems portrayed in the film</p> <p>Discuss the concept of social work</p> <p>Interview social worker in psychiatric setting</p>	<p>Nat'l Committee for Social Work Careers, 2 Park Ave. New York, N.Y. 10017</p> <p>Council on Social Work Educ. 345 East 46th Street New York, N. Y. 10017</p> <p>Richards Rosen Press, Inc. 29 East 21st Street New York, N.Y. 10010</p> <p>Universal Education & Visual Arts 221 Park Ave. South New York, N.Y. 10003</p> <p>Films Inc. 733 Greenbay Road Wilmette, Ill. 60091</p> <p>Nat'l Committee for Social Work Careers 2 Park Avenue New York, N.Y. 10016</p>
1 hour	<p>C. Psychiatric Social Worker</p> <ol style="list-style-type: none"> 1. 2. 3. Same as above 4. 5. 			

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UNIT 9 SOCIAL SERVICE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	D. Social Service Aide (Community Health Aide, Family Health Worker, Health Assistant/Aide) 1. 2. Same as under Medical 3. Social Worker 4. 5.	Films "People Who Care" 16 min. or "Call it Rehabilitation" 33 min. or "The Critical Decades" 29 min. or "The Task We Face" 15 min. or "Public Health and The Retarded Child" 22 min.	List five forms of therapy shown in films	Nat'l Assn. for Mental Health 10 Columbus Circle New York, New York 10019
1 hour	E. Social Work Technician (Social Work Associate, Social Aide) 1. 2. 3. Same as above 4. 5.	Film "By Chance or By Choice" 26 min.	Discuss work of aide or technician shown in film	S.C. State Board of Health Film Library J. Marion Sims Building Columbia, South Carolina 29201
1 hour	F. Homemaker 1. 2. 3. Same as above 4. 5.	Lecture Booklet "Career Oppor- tunities in Homemaker Home Health Aide Service"	Discussion Read and discuss	Nat'l Council for Home- maker Service 1740 Broadway New York, N.Y. 10019 Local Homemaker Service



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UNIT 9 SOCIAL SERVICE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
G.	Home Health Aide	Booklet "Visiting Home- maker Service Manual" Show film "The Home Health Aide" 20 min., color, sound, 1967	Read and discuss Discuss the advantages of being a home health aide	N.J. Dept. of Health John Fitch Plaza Trenton, N.J. 08625 The American Journal of Nursing Co. Educational Service Division Film Library 267 West 25th Street New York, N.Y. 10001

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UNIT 10 DRUG THERAPY CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	<p>Introduction to Occupations Related to Drug Therapy</p> <p>A. Overview - a team of health workers that compound and dispense medication.</p> <p>B. Pharmacist 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook</p> <p>C. Pharmacist 1. 2. 3. Same as above 4. 5.</p>	<p>Lecture</p> <p>Brochure "Pharmacist" 1968 2 pp. fee</p> <p>Guest Speaker: Pharmacist</p> <p>Quarterly magazine "Pharmacy News" free</p> <p>Film: "Go Pharmacy" 15 min., color, 1971, free</p>	<p>Discussion</p> <p>Read and discuss</p> <p>Interview guest speaker</p> <p>Read and discuss current articles</p> <p>Describe four areas in which a pharmacist can work</p>	<p>American Society of Hospital Pharmacists, 2215 Constitution Avenue, N.W., Washington, D.C. 20037 or 4630 Montgomery Ave. Washington, D.C. 20014</p> <p>American Society of Pharmacology and Exp. Therapeutic Inc. 9650 Rockville Pike Bethesda, Md. 20014</p> <p>Careers P. O. Box 135 Largo, Florida 33540</p> <p>Contact Local Pharmacist</p> <p>Pharmacy News E-90 Smith Kline & French Laboratories Philadelphia, Pa. 19101</p> <p>Corporate & Community Relations Dept. Parke, Davis & Co. Joseph Campau at the River Detroit, MI 48232</p>

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UNIT 10 DRUG THERAPY CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours		Plan field trip to pharmaceutical company	Observe, discuss, question	American Pharmaceutical Assn. 2215 Constitution Ave., N.W. Washington, D.C. 20007
1 hour		<u>Hands on Experience</u> Have students take an inventory of drugs at their home. Discuss use, hazards and discard of each.	List drugs kept in each student's home	N.J. Pharmaceutical Assn. 118 W. State Street Trenton, N.J. 08618
1 hour	D. Pharmacy Technician 1. Same as under 2. Same as under 3. Pharmacologist 4. 5.	Booklet "What is a Pharmacist" 5 pp., free, 1966 Show film "Bartlett and Son" 35 min., color, sound, 16mm., free or "Design for Life" 1756 19 min., color, sound, 16mm. or "This is Pharmacy" 27 min. color, sound, 16mm or "Time for Tomorrow" 20 min., blk/wh, sound, color, 16mm Film "The Dangerous Drugs" 22 min.	Read and discuss Describe local pharmacies in your neighborhood Same as above	Upjohn Company 700 Portage Road Kalamazoo, MI 49001 Modern Talking Picture Service, 1234 Spruce St. Phila., Pa. 19107 or 315 Springfield Ave. Summit N.J. 07901 Assoc. Sterling Films, 347 Madison Avenue New York, N.Y. 10017 Assoc. Sterling Films (See above) Assn. Sterling Films 43 W. 61st Street New York, N.Y. 10023 The Narcotic Ed. Foundation of America 5055 Sunset Blvd. Los Angeles, Calif. 90027
1 hour	E. Pharmacy Aide 1. 2. 3. Same as above 4. 5.		Discuss three hazards of drug abuse	

Orientation to Health Occupations

UNIT 11 REHABILITATIVE CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>Introduction to Occupations related to rehabilitative therapy</p> <p>A. Overview This team is vitally involved in the treatment and rehabilitation of the patient. The physiatrist is the medical doctor who specializes in rehabilitative medicine and heads this team.</p>	<p>Lecture</p> <p>Show film "Diary of Connie McGregor" B/W sound, 16mm, 1963</p>	<p>Discussion</p> <p>List 3 rehabilitative areas shown in the film</p>	<p>Asn. for Physical and Mental Rehabilitation 105 St. Lawrence Rehoboth Beach, DE. 19971</p>
1 hour	<p>B. Occupational Therapy</p> <ol style="list-style-type: none"> 1. Occupational Therapist <ol style="list-style-type: none"> a. Description of work b. Specific characteristics required <ol style="list-style-type: none"> 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities <ol style="list-style-type: none"> 1. Location 2. Working conditions 3. Financial rewards 4. Other rewards 5. Future outlook 	<p>Film "Armed Forces Medical Specialists" 14 min., color, 16mm</p> <p>"The O.T. Story" 22 min.</p>	<p>Name three duties shown for each therapist shown in film</p> <p>Same as above</p>	<p>Dept. of Army A-V Section The Pentagon Washington, D.C. 20301</p> <p>American O.T. Assn. 251 Park Ave. South New York, N.Y. 10010</p> <p>Same as above</p>
		<p>Booklet "Can You Deal with These problems?"</p> <p>Film: "Seven for Susie" 14 min., color, 1968, free</p> <p>Book "Your Future in O.T." 1968, 152pp \$2.79</p>	<p>Read and discuss</p> <p>Name the seven members of the rehabilitation team</p> <p>Read and discuss</p>	<p>Nat'l Easter Seal Society Careers in Rehabilitation 2023 West Ogden Avenue Chicago, Ill. 60612</p> <p>Richards Rosen Press 29 East 21st Street New York, N.Y. 10010</p>



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UNIT 12 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2.	Occupational Therapy Assistant a. Same as under b. Occupational c. Therapist d. e.	"Target" 12 min., color, 16mm. 1965	Discuss film	American O.T. Assn 251 Park Ave., South New York, N.Y. 10010
3.	Occupational Therapy Aide a. b. Same as above c. d. e.	"To Pick a Life" 7 min., color. sound, 16mm. 1964	Discuss film	Same as above
51 63 2 hours	C. Physical Therapy 1. Physical Therapist a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements	Demonstrate waffle weaving, crocheting, or knitting. This part could also be taught by an Occupational Therapist	Students will perform one type of O.T.	N.J. Chapter of American Physical Therapy Assn. 201 Pleasant Valley Way West Orange, N.J. 07052
1 hour		Lecture	Discussion	American P.T. Assn. The California Chapters 548 Ocean Street Santa Cruz, Calif. 95060
		Show film "For Today and Tomorrow". 17 min., color, sound, 1967	Discuss the advantages shown in the film of becoming a Physical Therapist	

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	d. Licensure or certification e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	or "The Return" 33 min. or "Within Your Hands" 16 min. B/W, sound, 16 mm	Discuss the career possibilities in Physical Therapy Try to peel potato with one hand	S.C. State Board of Health, Film Library Merion Sims Bldg. Columbia, S.C. 29201 American P.T. Assn. 2057 Bregg Street Brooklyn, N.Y. 11229
	2. Physical Therapy Assistant a. b. Same as above c. d. e.	Give each student potato and peeler Booklet "Your Future and Physical Therapy" free, 2 pp.	Read and discuss	Same as above
2 hours	3. Physical Therapy Aide a. b. c. Same as above d. e.	Demonstrate range of motion for one extremity	Divide students in pairs - return demonstrations	American P. T. Assn. 1740 Broadway New York, N.Y. 10019

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	<p>D. Corrective Therapist</p> <ol style="list-style-type: none"> 1.. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Plan field trip to a psychiatric or county hospital. See Unit 9.</p> <p>Lecture</p> <p>Guest Speaker: Corrective Therapist</p>	<p>Tour O.T., P.T. and Vocational Rehabilitation Units - discuss observations seen during tour</p> <p>Discussion</p> <p>Students interview speaker</p>	<p>American P.T. Assn. 1156 15th Street, N.W. Washington, D.C. 20005</p> <p>Local Veterans Hospital</p>
1 hour	<p>E. Rehabilitation Counselor</p> <ol style="list-style-type: none"> 1. 2. 3. Same as above 4. 5. 	<p>Lecture</p> <p>Booklet "The Rehabilitation Counselor" 1968, free 3 pp.</p>	<p>Discussion</p> <p>Read and discuss</p>	<p>American Rehabilitation Counselor Association 1605 New Hampshire Ave. Washington, D.C.</p> <p>Nat'l Assn. for Mental Health 10 Columbus Circle New York, N.Y. 10019</p>

Orientation to Health Occupations

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	F. Homemaking Rehabilitation Consultant 1. 2. 3. Same as under 4. Corrective Therapy 5.	Guest speaker. Show students laborsaving and household equipment and shortcuts for household routines. Show film "The Road Back" 23 min. B/W - Sound, 1965	Observe, ask questions handle and use equipment	N.J. Rehabilitation Commission Labor & Industry Bldg. John Fitch Plaza Rm. 1005 Trenton, N.J. 08625 American Home Economics Assn. 1600 20th St., N.W. Washington, D. C. 20009
4 hours	G. Hospital Librarian or Reading Therapist 1. 2. 3. Same as above 4. 5.	Plan field trip to hospital library (psychiatric, veteran, children's etc.)	List 4 ways the visiting nurse helped with rehabilitation Discuss activities of job with librarian	American Red Cross 17th and D Streets Washington, D.C. 20006 Medical Library Assn. 919 N. Michigan Street Suite 1601 Chicago, Ill 60610 American Library Assn. 50 E. Huron Street Chicago, Ill. 60611
	H. Music Therapist 1. 2. 3. Same as above 4. 5.	Include music therapy dept. in above trip. Therapist will demonstrate a music therapy session	Observe and ask questions	Contact Hospital Music Therapist

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVAS)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
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	Booklet "Music Therapy as a Career" 1969, free 4 pp		Read and discuss	Nat'l Assn. for Music Therapy, Inc. P. O. Box 610 Lawrence, Kansas 66044
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	Film "Music Therapy Intern-Describe the work of ship" 20 min., B/W, 1967, free		the music therapist as portrayed in the film	Nat'l Medical Audiovisual Center (Annex) Station K Atlanta, Georgia 30324
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	Include recreational therapy dept. in above trip. Therapist will discuss recreational therapy		Listen, ask questions	Consulting Service on Recreation for Ill and Handicapped Nat'l Recreation & Park Assn., 8 West 8th St. New York, N.Y. 10011 and 1700 Pennsylvania Ave. N.W., Washington, D.C. 20006
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- I. Recreational Therapist
 - 1.
 2. Same as under
 3. Corrective Therapy
 - 4.
 - 5.

	Booklet "The Recreational Therapist" 1968 Free 4 pp.		Read and discuss	Nat'l Assn. for Recreational Therapists, Inc. Eastern State Hospital Vinita, Okla. 74303
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- J. Speech Therapist
 - See Unit 13

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

COURS (APPROX.)	CONTENT	INSTRUCTORS ACTIVITIES (AYA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>K. Other Related Occupations</p> <ol style="list-style-type: none"> a. Prosthetist and Orthotist b. Description of work c. Specific characteristics required <ol style="list-style-type: none"> 1. Physical 2. Emotional d. Educational requirements e. Licensure or certification f. Employment opportunities g. Location h. Working conditions i. Financial rewards j. Other rewards k. Future outlook 	<p>Guest speaker-Display of artificial limb, braces, supports and other orthopedic appliances</p> <p>Film "Men and Mobility" 17 min. Color. Sound 16 mm</p>	<p>Observe, handle equipment, discuss, question</p> <p>Discuss the advantages of this health field shown in the film</p>	<p>American Orthotic and Prosthetic Association 918 18th St., N.W. Washington, D.C. 20006</p> <p>Norwood Studios, Inc. 926 N.J. Avenue, N.W. Washington, D.C. 20210</p> <p>Americal Board of Certification of the Prosthetic and Orthopedic Industry, Inc., 411 Association Bldg. 1145 19th Street Washington, D.C. 20006</p>
	<ol style="list-style-type: none"> 2. Prosthetist technician/ aide Orthotist technician/ aide <ol style="list-style-type: none"> a. b. c. Same as above d. e. 	<p>Lecture</p>	<p>Discussion</p>	<p>Prosthetists and Orthotists Society of N.J. 8-10 South Harrison St. East Orange, N.J. 07602</p> <p>American Academy of Orthopaedic Surgery 29 East Madison Street Chicago, Ill. 60602</p>



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UNIT 3.2 HEALTH OCCUPATIONS RELATED TO COMMUNICATIONS SKILLS CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>Introduction to Occupations related to Communication Skills</p> <p>A. Overview A team of workers who coordinate activities of community agencies with services of the health facility</p> <p>B. Volunteer Services 1. Director of Volunteer Services a. Description of work b. Specific characteristics required 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook</p>	<p>Lecture</p> <p>Guest speaker-Director of Volunteer Services from a local hospital</p> <p>Film "Volunteers in Hospitals" B/W, 15 min. Rental fee</p>	<p>Discussion</p> <p>Discuss advantages and disadvantages of occupation</p> <p>Discuss the role of the volunteer as portrayed in the film</p>	<p>Contact your local hospital</p> <p>American Hospital Assn. 840 N. Lake Shore Drive Chicago, Ill. 60611</p>



Orientation to Health Occupations

UNIT 12 HEALTH OCCUPATIONS RELATED TO COMMUNICATION SKILLS CLUSTER (Cont'd)			
HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)
	<p>2. Volunteer Workers (Gray Ladies, Minute Men, Jans, Red Coats)</p> <ol style="list-style-type: none"> a. Same as under b. Director of Volunteer Services c. Same as under d. Director of Volunteer Services e. Same as under 	<p>Show film "A Gift of Time" 25 min., 1957, rental \$10.00 or "Volunteers in Hospitals" 15 min. B/W, rental \$5.00</p>	<p>Describe 5 duties performed by volunteers</p> <p>Same as above</p>
1 hour	<p>C. Health Information Specialist/Science Writer</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Elicit discussion of information learned on radio or T.V. about the health field</p> <p>Booklet "A Guide to Careers in Science Writing" 8pp, free, Give Assignment</p> <p>Assign students to bring in newspaper articles related to health</p>	<p>State information learned on radio or T.V. about health field</p> <p>Read and discuss</p> <p>Write and act out a spot announcement for T.V. on a current health problem (ex. V.D., drugs, pollution)</p> <p>Arrange a bulletin board display or have students make permanent booklets</p>
			<p>American Hospital Assn. 840 North Lake Shore Drive Chicago, Ill. 60611</p> <p>Same as above</p> <p>Nat'l Assn. of Science Writers, Inc. 73 Carlton Ave., Apt. 18A Port Washington, N.Y. 11050</p> <p>Same as above</p>

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HEALTH OCCUPATIONS RELATED TO COMMUNICATION SKILLS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	D. Hospital Chaplain 1. Same as under Health 2. Info. Specialist/ 3. Science Writer 4. 5.	Booklet "Health Education as Your Career" Book: "Your Future in Technical and Science Writing" By Emerson Clarke and Vernon Roet 160 pp. 1972, \$3.99 Guest speaker - Chaplain	Read and discuss Read and discuss Interview by students	American Assn. for Health, Physical Education and Recreation, N.E.A. 1201 6th Street, N.W. Washington, D.C. 20006 Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010 Chaplain's department. Contact local hospital.
1 hour	E. Hospital Public Relations Director 1. 2. 3. Same as above 4. 5.	Lecture	Discussion	The Information Center Public Relations Society of America, Inc. 645 Third Avenue New York, N.Y. 10022
1 hour	F. Public Health Educator/ School Health Educator 1. 2. 3. Same as above 4. 5.	Lecture	Discussion	Society of Public Health Educators, Inc. 419 Park Avenue, South New York, N.Y. 10016

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UNIT 12 HEALTH OCCUPATIONS RELATED TO COMMUNICATION SKILLS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	<p>G. Public Health Statistician</p> <ol style="list-style-type: none"> 1. 2. 3. Same as above 4. 5. 	<p>Hand out "Public Health Statistician"</p>	<p>Read and discuss</p>	<p>American Assn. for Health, Physical Education and Recreation 1201 16th Street, N.W. Washington, D.C. 20036</p> <p>Health Careers Information N.Y. State Dept. of Health Box 200 Albany, N.Y. 12203</p> <p>American Statistical Assn. 810 18th St., N.W. Washington, D.C. 20006</p>
	<p>H. Medical Illustrator</p> <ol style="list-style-type: none"> 1. 2. 3. Same as under Health Information Specialist/ 4. Information Specialist/ 5. Science Writer 	<p>Guest speaker - Show illustrations, models, graphs, and charts</p>	<p>Interview speaker Observe and discuss</p>	<p>Biological Photograph Assn., Inc., P. O. Box 12866 Philadelphia, Pa. 19108</p> <p>Assn. of Medical Illustrators University of Nebraska College of Medicine 42nd & Dewey Avenue Omaha, Nebraska 68105</p> <p>Assoc. of Medical Illustrators 738 Keystone Ave. River Forrest, Ill. 60305</p>



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UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER

UNIT (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	<p>Introduction to Occupations related to Special Senses</p> <p>A. Overview These specialists assess and treat problems related to the special senses.</p> <p>B. Ear Therapist</p> <ol style="list-style-type: none"> 1. Audiologist <ol style="list-style-type: none"> a. Description of work b. Specific characteristics required <ol style="list-style-type: none"> 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities <ol style="list-style-type: none"> 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook 	<p>Lectures</p> <p>Demonstrate audiometer. Use students for demonstration</p> <p>Film "Your Ears and Hearing" 11 min.</p> <p>Film "Breaking the Sound Barrier" 28 min., color, 1968, free</p> <p>Arrange with school nurse for rotating students, one or two at a time to assist during routine audiometric testing</p>	<p>Discussion</p> <p>Observe and discuss</p> <p>Discuss film</p> <p>Describe how speech professionals help handicapped children</p> <p>Help school nurse with audiometric testing</p>	<p>American Assn. of Ophthalmology 1100 17th Street, N.W. Washington, D.C. 20036</p> <p>American Speech & Hearing Association 9030 Old Georgetown Road Washington, D.C. 20014</p> <p>N.J. State Dept. of Health John Fitch Plaza Trenton, N.J. 08625</p> <p>Association-Sterling Films 866 Third Avenue New York, N.Y. 10022</p> <p>Local school nurse</p>



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UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Audiology Technician a. b. Same as above c. d. e.	Booklet "Hearing and Speech Careers" 1967. 8pp free	Read and Discuss	Nat'l Assn of Hearing & Speech Agencies 919 18th Street, N.W. Washington, D.C. 20006
4 hours	C. Eye Therapist 1. Optician a. b. Same as under c. Audiologist d. e.	Film "Ophthalmic Careers: Ophthalmology" 17min., color, 1969, Rental Plan field trip to large optical establishment Booklet "Ophthalmologist, Oculist, Optometrist, Optician; Do You Know the Difference?" 1968-1pp free Film loop "Dispensing Opticians and Optical Lab Mechanics"	Name six careers in the field of ophthalmology Observe and discuss lens grinding and assembling lens into frames Read and discuss	Films Incorporated 733 Greenbay Road Wilmette, Ill. 60091 American Board of Opticianry, 821 Eggert Road Buffalo, N.Y. 14226 Nat'l Society for the Prevention of Blindness 79 Madison Avenue New York, N.Y. 10016 Encyclopedia Britannica Ed. Corp., Dept. 10-A 425 N. Michigan Avenue Chicago, Ill., 60611
	2. Optical Technician a. b. Same as under c. Audiologist d. e.	Give each student a ruler used by opticians	Describe the work of an optician Measure taking facial measurements for glasses	Guild of Prescription Opticians of America, Inc. 1250 Connecticut Ave., N.W. Washington, D.C. 20036



Orientation to Health Occupations
UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	D. Optometrist 1. 2. 3. Same as above 4. 5.	Book "Your Future as an Optician" by Hans Hirschborn 158pp., 1970, \$3.99 Demonstrate machine used in testing of eyes as well as Snellen test Booklet "What is an Optometrist" free, 4pp	Read and discuss Students paired off and test each other Read and discuss	Richards Rosen Press 29 E. 21st St. New York, N.Y. 10010 American Optometric Association 7000 Chippewa St. St. Louis, MO 63119
5	E. Optometric Technician 1. 2. 3. Same as above 4. 5.	Film "A Career with Vision" 14 min., sound color, free Arrange with school nurse for students to assist during eye screening Booklet "Optometry for You" free	Discuss the work of the optometrist and the requirements of the profession Help school nurse with eye screening tests Observe and discuss Read and discuss	N.J. Optometric Assn. Public Information Office 514 Greenwood Avenue Trenton, N.J. 08609 Local school nurse N.J. Optometric Assn. Public Information Office 514 Greenwood Avenue Trenton, N.J. 08609
1 hour	F. Therapists related to Ophthalmology 1. Orthoptist a. b. c. Same as under d. Audiologist e.	Demonstration of eye muscle exercises by an orthoptist	Observe and discuss	American Orthoptic Council 3400 Massachusetts Ave. N.W. Washington, D.C. 20007

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UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2.	Orthoptic Technician/ Assistant a. Same as above b. Same as above c. Same as above d. Same as above e. Same as above	Booklet "A Career in Orthoptics" 1968, free 4pp	Read and discuss	American Assn. of Certified Orthoptists University of Calif. San Francisco Medical Center San Francisco, Calif. 94122
3.	Ophthalmic Technician a. Same as above b. Same as above c. Same as above d. Same as above e. Same as above			
1 hour	6. Speech Therapist 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Guest speaker - tapes of therapy between patient and speech therapist Prepare tapes of stud- ent's speech Film "In Terms of Speech" 16 min., B/W, 1966, Rental \$4.00	Listen, discuss, question Speak on tape & listen to playback. Discuss differences	Nat'l Assn. of Hearing and Speech Agencies 919 18th Street, N.W. Washington, D. C. 20006 N.J. Academy of Epthal- mology & Otoloryology 406 Cooper Street Camden, N.J. 08102 Film Division Cinema Division University of Southern Calif. University Park, Los Angeles California 90007



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UNIT 14 RESEARCH SCIENCE CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>Introduction to Occupations related to Research</p> <p>A. Overview A group of workers with special skills related to the problems of health and disease prevention</p>	<p>Film "A Story with No End" 20 min., color, 16mm, free or Film "Decision for Research" or Film "Of Men and Minds" 29 min. 1968 Free</p>	<p>Describe feelings towards tour of lab shown in film</p> <p>Name two methods of research used by scientists</p> <p>Discuss the work of scientist shown in the film</p>	<p>Modern Talking Picture Service, 1234 Spruce St. Philadelphia, Pa. 19107</p> <p>Science Service 1719 N. Street, N.W. Washington, D.C. 20036</p> <p>American Heart Assn. Film Library 267 West 25th Street New York, N.Y. 10001</p>
1 hour	<p>B. Biochemists</p> <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Guest speaker</p> <p>Booklet "Chemistry and Your Career"</p> <p>Booklet "Careers in Biology" 1967, free</p>	<p>Interview: guest speaker</p> <p>Read and discuss</p> <p>Read and discuss</p>	<p>American Society of Biological Chemists 9650 Rockville Pike Bethesda, Md. 20014</p> <p>American Chemical Society 1155 16th Street, N.W. Washington, D.C. 20006</p> <p>American Institute of Biological Sciences 3900 Wisconsin Ave., N.W. Washington, D.C. 20018</p>



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UNIT 14 RESEARCH SCIENCE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>C. Biophysicists</p> <ol style="list-style-type: none"> 1. Same as under Bio- 2. chemists 3. 4. 5. 	<p>Booklet "Biophysicist" 1968, 2pp, 15¢</p>	<p>Read and discuss</p>	<p>Careers, P. O. Box 135 Largo, Florida 33540</p>
2 hours	<p>D. Bacteriologist</p> <ol style="list-style-type: none"> 1. Same as above 2. 3. 4. 5. 	<p>Film "A Career in Bacteriology" 15 min., color, sound, 16mm</p>	<p>List four opportunities shown in the film for bacteriologists</p>	<p>Indiana University Audio Visual Center Bloomington, Indiana</p>
1 hour	<p>E. Anatomist</p> <ol style="list-style-type: none"> 1. Same as above 2. 3. 4. 5. 	<p>Guest speaker</p>	<p>Interview guest speaker</p>	<p>American Institute of Biological Sciences 3900 Wisconsin Ave., N.W. Washington, D.C. 20016</p>
		<p>Booklet "Your Career in Anatomy"</p>	<p>Read and discuss</p>	<p>University of Michigan Dept. of Anatomy Ann Arbor, Michigan</p>
	<p>F. Physiologist</p> <ol style="list-style-type: none"> 1. Same as above 2. 3. 4. 5. 	<p>Lecture</p>	<p>Discussion</p>	<p>American Physiological Society 9650 Rockville Pike Bethesda, Maryland 20014</p>
4 hours	<p>Plan field trip</p>	<p>Booklet "Choosing a Career" 1965, free, 14pp</p>	<p>Read and discuss</p>	<p>Same as above</p>
			<p>Tour Medical Research Laboratory</p>	<p>Contact local Laboratory</p>



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UNIT 14 RESEARCH SCIENCE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	G. Microbiologist 1. Same as under 2. Biochemists 3. 4. 5.	Booklet "Microbiologist" Prepare slides of organisms Lecture Booklet "A Career in Medical Science Pathology" 1966, free, 32pp	Read and discuss View organism through microscope Discussion Read and discuss	Health Careers of Ohio P.O.Box 5574, Columbus, OH 43221 American Society for Microbiology, 1913 First St., N.W. Washington, D.C. 20036 College of American Pathologists Prudential Plaza Suite 2115 Chicago, Ill. 60611 National Health Council 1790 Broadway New York, N.Y. 10012
1 hour	H. Pathologists 1. Same as above 2. 3. 4. 5.	Guest speaker	Interview	The American Sociological Association 1755 Massachusetts Ave., N.W. Washington, D.C. 20036 U.S. Civil Service Commission 1900 E Street, Washington, D.C. 20415
	I. Toxicologists 1. Same as above 2. 3. 4. 5.	Hand out literature received from reference	Read and discuss	
	J. Health Sociologist 1. Same as above 2. 3. 4. 5.	Booklet "Professional Opportunities for Social Scientists" 1968 free 5 pp	Read and discuss	



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UNIT 14 RESEARCH SCIENCE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
K.	Immunologists	Prepare questions for students to ask of this health worker during tour of Research Laboratory	Observe and ask questions of this worker during field trip	
	1.			
	2.			
	3. Same as under			
	4. Biochemists			
L.	Virologists	Lecture	Discussion. Observe this worker during field trip	
	1.			
	2.			
	3. Same as above			
	4.			
M.	Medical Engineer/Health Physicist	Booklet "Physics as a Career"	Read and discuss	American Institute of Physics 335 East 45th Street New York, N.Y. 10017
	1.			
	2.			
	3. Same as above			
	4.			
N.	Medical Engineer Tech./ Health Physics Tech.	Lecture	Discussion	Medical Engineering & Electronics 2 East 63rd Street New York, N.Y. 10016
	1.			
	2.			
	3. Same as above			
	4.			
		Booklet "Engineering, A Career of Opportunity"	Read and discuss	Nat'l Society of Prof. Engineers 2029 K Street, N.W. Washington, D.C. 20006
	1.			
	2.			
	3.			
	5.			



Orientation to Health Occupations

UNIT 14 RESEARCH SCIENCE CLUSTER(Cont'd) **BEST COPY AVAILABLE**

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	0. Medical Librarian	Lecture	Discussion	Medical Library Assn., Inc. 919 N. Michigan Street Suite 1601 Chicago, Ill. 60611 Science Research Assn., Inc. 259 East Erie Street Chicago, Ill. 60611 Society of Technical Writers & Publishers, Inc. P.O. Box 3706 Beechwood Station Columbus, Ohio 43214 Careers P.O. Box 135 Largo, Florida 33540
	1. Same as under	Booklet "Medical Librarian." 1968, 4pp 45¢	Read and discuss	
	2. Biochemists	Lecture	Discussion	
	3. Same as above	Booklet "Technical Writer" 1968, 35¢ 7pp	Read and discuss	
	4. Same as above			
5. Same as above				



Orientation to Health Occupations

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>Introduction to Occupations related to Community and Environmental Health</p> <ol style="list-style-type: none"> 1. <u>Community Health</u> <ol style="list-style-type: none"> A. <u>Overview</u> A group of workers who deal with the health of the community B. Public Health Admin. <ol style="list-style-type: none"> 1. Description of work 2. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	<p>Lecture</p> <p>Film "Journey to Medicine" 20 min. B/W, 16mm, free loan</p> <p>Booklet "Your Career in Public Health" 1966, free, 35 pp</p> <p>Film "Health in Our Community" 13 min., color, 1969, rental or</p> <p>"Not as a Privilege" 29 min., color, 1969, free</p>	<p>Discussion</p> <p>Discuss advantages of choosing public health as an occupation</p> <p>Read and discuss</p> <p>Discuss your community health problems</p> <p>Describe the neighborhood Health Center portrayed in the film</p>	<p>U.S. P.H. Service A-V Facility Nat'l Communicable Disease Center Atlanta, Ga. 30333</p> <p>Calif. State Dept. of Public Health 215 Berkeley Way. Berkeley, Calif. 94704</p> <p>Encyclopedia Britannica Educational Corporation 1822 Pickwick Avenue Glenview, Ill. 60025</p> <p>Modern Talking Pictures 2323 New Hyde Park Road New Hyde Park, N.Y. 11040</p>



HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
C.	Public Health Statistician/ Biostatistician 1. Same as under Public 2. Health Administrator 3. 4. 5.	Booklet "Careers in Statistics"	Read and discuss	American Statistical Assn. Room 703 810 18th Street Washington, D.C. 20006 National Center of Health Statistics, U.S. Public Health Service, Dept. of H.E.W., Room 10066, Washington, D.C. 20201
D.	Public Health Nurse 1. 2. 3. Same as above 4. 5. Refer also to Public Health Nurse under Patient Care Cluster	Show film "Long Day's Journey". 29 min., B/W, sound, 1953, (Guide) Discussion or "The Road Back". 23 min., B/W, sound, 1966 or "Almost a Miracle" 26 min. color, 1964, Rental \$6.50	Discuss the public health nurse in her areas of work Discuss the role of the visiting nurse as shown in the film Discuss the role of the Public Health Nurse in the film Discussion Interview speaker	American Journal of Nursing Co., Educ. Services Division, Film Library, 267 West 25th St., N.Y., N.Y. 10001 American Red Cross 17th and D Street Washington, D.C. 20006 American Nurses Assn. 267 West 25th Street New York, N.Y. 10001
E.	Health Officer 1. 2. 3. Same as above 4. 5.	Lecture Guest speaker: Health Officer		Contact Local Health Officer
F.	Public Health Educator (See Unit 12)			

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	G. Community Health Planner 1. Same as under Public 2. Health Administrator 3. 4. 5.	Plan field trip to community health dept.	Discuss observations following trip	Local Community Health Dept.
2 hours	H. Community Health Worker (see Social Service Cluster) 1. 2. Same as above 3. 4. 5.	Draw large map of county or city	Students will pinpoint major community facilities on map	American Public Health Assoc. 1740 Broadway New York, N.Y. 10019
1 hour	I. Sanitarian 1. 2. 3. Same as above 4. 5.	Film "Crisis...Blue-print for Communication" 17 min., B/W, 1966, Rental \$4.00	Answer question: "How did workers behave during disaster?"	American Hospital Assn. 840 North Lake Shore Drive Chicago, Ill. 60611
1 hour	J. Emergency and/or Disaster Specialist 1. 2. 3. Same as above 4. 5.	"Disaster Plan" 16 min. color, 1958, free	Discuss film	Abbott Laboratories Film Service Dept. North Chicago, Ill.



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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>K. Community Health Volunteers (Red Cross, Civil Defense, Rescue Squad, Fire Dept.). Voluntary Agency (Cancer, Heart, etc.)</p> <ol style="list-style-type: none"> 1. 2. Same as Public Health 3. Administrator 4. 5. <p>2. <u>Environmental Health</u> A. Overview A group of workers dealing with community health who specialize in environmental factors</p>	<p>Booklet "Panic or Plan?" and Film "Emergency 77" 14 min., 16mm, B/W, sound, free</p> <p>Prepare outline for use during survey. If time permits, invite a volunteer agency to present material and resources available.</p> <p>Film "Watch on Health" 13 min., color, sound, free</p> <p>or</p> <p>"Engineering Your Health" 13 min., color, sound, 16mm, 1958, free</p>	<p>Name three ways to prevent emergencies</p> <p>Survey community for resources. Discuss Findings</p>	<p>Metropolitan Life Insurance Company 1 Madison Avenue New York, N.Y. 10010</p> <p>Local Volunteer Agency</p> <p>M.J. Dept. of Environmental Protection P.O. Box 1390 Trenton, N.J. 08625</p> <p>U.S.P.H. Service A-V Facility Nat'l Communicable Disease Center Atlanta, Ga. 30333</p> <p>Same as above</p>



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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
B.	Industrial Hygienist 1. 2. 3. Same as above 4. 5.	Lecture Booklet "Industrial Hygienist" 1966, 4 pp, free	Discussion Read and discuss	American Industrial Hygiene Association 14125 Pacvost Street Detroit, Michigan 48227 Industrial Hygiene Division U.S. Public Health Serv. Washington, D.C. 20225
C.	Venereal Disease Control Worker 1. 2. 3. Same as above 4. 5.	Film "A Respectable Neighborhood" 25 min., B/W Booklet "What you should know about Gonorrhoea" & "What you should know about Syphilis"	Discuss film Read and discuss	N.J. Dept. of Health John Fitch Plaza Trenton, N.J. 08625 N.J. State Museum Ext. Service, Dept. of Ed., P.O.Box 1868 Trenton, N.J. 08625 Health Education Service P.O. Box 7283 Albany, N.Y. 12224
D.	Safety Engineer 1. 2. 3. 4. 5.	Plan field trip to local water filtration plant, local sewage plant, or poison control center.	Observe, discuss, and question	Contact local plants American Society of Safety Engineers 850 Busse Highway Park Ridge, Ill. 60068

4 hours



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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
		Booklet "Your Future in Safety Engineering" 1965, free, 12pp.	Read and discuss	Nat'l Safety Council Director of Public Infor. 425 W. Michigan Ave. Chicago, Ill. 60611
		Lecture	Discussion	Nat'l Association of Sanitarions Lincoln Bldg. 15550 Lincoln Street Denver, Col. 80203
	E. Sanitarian (Environmental Scientists/Epidemiologists)	Booklet "The Professional Sanitarian" free, 14 pp.	Read and discuss	
	1.			
	2.			
	3.			
	4.			
	5.			
		Film "Engineering Your Health" 14 min., color, 1958, free	Name four opportunities within the profession of sanitary engineering	Nat'l Medical A-V Center, Station K Atlanta, Georgia 30324
	F. Environmental Health Technician			American Public Health Assn., 1740 Broadway New York, N.Y. 10019
	1.			
	2.			
	3.			
	4.			
	5.			
		Simulation Game: <u>Smog or Dirty Water</u> free loan	Participate in game	N.J. Occupational Research & Development Resource Center, Plainfield Avenue Edison, N.J.
		Film "All the Difference" 16 mm, 20 min., color, free	Discuss the pollution crisis portrayed in the film.	Audio-Visual Service Eastman Kodak Company 343 State Street Rochester, N.Y. 14650

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
3 hours		Air pollution or micro-biology kit	Do experiments in kit	Union Carbide Corp. P.O. Box 363 Tuxedo, N.Y. 10987
1 hour	G. Sanitary Engineer 1. Same as under Public 2. Same as under Public 3. Health Administrator 4. 5.	Lecture	Discussion	U.S. Public Health Serv. Dept. of H.E.W. Washington, D.C. 20025 American Society of Civil Engineers 345 East 47th Street New York, N.Y. 10017 National Environmental Health Association 1600 Pennsylvania Ave. Denver, Col. 80203
		"Environmental Pollution: Our World in Crisis" film strips, fee	Name and discuss the consequences and solutions for three problem areas of pollution	Ward's Natural Science Establishment, Inc., P.O. Box 1712 Rochester, N.Y. 14603
		Booklet "A Career Opportunity in Environmental Health" 4 pp., free	Read and discuss	N.J. State Dept. of Health John Fitch Plaza Trenton, N.J. 08625



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UNIT 16 OTHER OCCUPATIONS CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>Other Occupations</p> <p>A. Overview This is a group of miscellaneous health workers who do not fit into a particular cluster</p> <p>B. Medical Photography</p> <ol style="list-style-type: none"> 1. Medical Photographer <ol style="list-style-type: none"> a. Description of Work b. Specific characteristics required <ol style="list-style-type: none"> 1) Physical 2) Emotional c. Educational requirements d. Licensure or certification e. Employment Opportunities <ol style="list-style-type: none"> 1) Location 2) Working conditions 3) Financial rewards 4) Other rewards 5) Future outlook 2. Biomedical photography technician <ol style="list-style-type: none"> a. b. c. Same as above d. e. 	<p>Book "Your Future in Medical Illustrating: Art and Photography" by Julia and Massy Makamura 160 pp. 1971, \$3.99</p> <p>Film "Cameras and Careers" 28 min., color sound, 16 mm., free</p> <p>Booklet "Medical Illustrator"</p>	<p>Read and discuss</p> <p>Name three careers in the field of photography</p> <p>Read and discuss</p>	<p>Richards Rosen Press 29 E. 21st St. N.Y., N.Y. 10010</p> <p>Audio Visual Service Eastman Kodak Co. 343 State Street Rochester, N.Y. 14650</p> <p>Health Careers of Ohio P.O. Box 5574 Columbus, Ohio 43221</p>

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UNIT 16 OTHER OCCUPATIONS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	<p>C. Osteopathic Physician</p> <ol style="list-style-type: none"> 1. Same as under 2. Medical Photographer 3. 4. 5. 	<p>Guest speaker or Visit osteopathic physician's office</p> <p>Film "American Doctor"</p> <p>Booklet "The Osteopathic Profession free, 6 pp</p> <p>Film "The Chiropody- Podiatry Clinic in Hospital Routine" 20 min., color, sound, 1958</p> <p>Lecture</p> <p>Booklet "Doctor of Podiatry" 3pp, free</p> <p>Film "Podiatry: Oppor- tunity and Challenge" 14 min., color, 1970, free</p> <p>Film "Podiatry As a Career" 14 min.</p>	<p>Interview speaker</p> <p>Observe, discuss, question</p> <p>Discussion of advan- tages of osteopathic profession</p> <p>Read and discuss</p> <p>Discuss the role of the podiatrists - chiropractists in the hospital</p> <p>Discussion</p> <p>Read and discuss</p> <p>Discuss importance of a podiatrist</p> <p>List duties of a podiatrist</p>	<p>American Osteopathic Assn., 212 E. Ohio St. Chicago, Ill. 60611</p> <p>Same as above</p> <p>Same as above</p> <p>American Journal of Nursing Co. Ed. Services Division Film Library 267 West 25th Street New York, N.Y. 10001</p> <p>American Podiatry Assn. 20 Chevy Chase Circle, N.W., Washington, D.C. 20010</p> <p>American Educational Films, 331 N. Maple Drive, Beverly Hills, Calif. 90210</p> <p>American Podiatry Assn. 3301 16th St., N.W. Washington, D.C. 20010</p>
2 hours	<p>D. Chiropractist</p> <ol style="list-style-type: none"> 1. Same as under 2. Medical Photographer 3. 4. 5. <p>E. Podiatrist</p> <ol style="list-style-type: none"> 1. Same as under 2. Medical Photographer 3. 4. 5. 			



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UNIT 16 OTHER OCCUPATIONS CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 Hour	F. Psychologist 1. Same as under 2. Medical Photographer 3. Same as under 4. 5.	Guest speaker - Psychologist Film "Angry Boy" Booklet "A Career in Psychology" 1965, free, 31 pp.	Interview guest speaker Discuss role of psychologist shown in the film Read and discuss	Local School Psychologist Trenton State Museum Trenton, N.J. 08625 American Psychological Association 1200 17th St., N.W. Washington, D.C. 20036
1 hour	G. Psychometrist 1. Same as under 2. Medical Photographer 3. Same as under 4. 5.	Guest speaker Discuss tests used Demonstrate word association test with one or two students	Interview speaker Observe and discuss	Contact local Psychometrist
1 hour	H. Mortician and Funeral Service Technician 1. Same as above 2. 3. 4. 5.	Guest speaker	Interview Guest speaker	Contact local Mortician
3 hours	I. Veterinarian and Veterinarian Assist./Tech. 1. Same as above 2. 3.	Lecture Booklet "Career Facts About Veterinary Medicine" free, 5 pp.	Discussion Read and discuss	American Veterinary Medical Assn., 600 S. Michigan Ave., Chicago, Ill. 60605

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UNIT 16 OTHER OCCUPATIONS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4. 5.		<p>Film "Gentle Doctor" 21 min., color, sound, 16mm</p> <p>Film "Laboratory Animal Technician: A Career in Care" 22 min., color, 1957, free</p> <p>Book "Your Future in Veterinary Medicine" by Wayne H. Riser 164pp., 1970, \$3.99</p>	<p>Discuss one activity in the life of a veterinarian</p> <p>Discuss the respon- sibilities of the animal technician</p>	<p>Assn. Sterling Films 347 Madison Avenue New York, N.Y. 10017</p> <p>Nat'l Society for Medical Research 1330 Massachusetts Ave., N.W., Washington, D.C. 20005</p>
1 hour	<p>J. Ambulance Drivers Ambulance Aide First Aide Workers</p> <p>1. 2. 3. Same as above 4. 5.</p>	<p>Film "Pulse of Life," Life Saving Methods" 27 min., rental \$15.00</p> <p>or</p> <p>"Anatomy of an Accident" 26½ min.</p>	<p>Read and discuss</p> <p>List three life saving methods</p> <p>Discuss events depicted in film</p>	<p>Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010</p> <p>Pyramid Film Producers P. O. Box 1048 Santa Monica, Calif.</p> <p>Local Bell Telephone Business Office</p>
1 hour	<p>K. Chiropractor</p> <p>1. 2. Same as under 3. Medical Photographer 4. 5.</p>	<p>Guest speaker</p> <p>Booklet "A Professional Career in Chiropractic"</p>	<p>Interview guest speaker</p> <p>Read and discuss</p>	<p>Contact local chiropractor</p> <p>American Chiropractic Association 2200 Grand Avenue P.O. Box 1535 Des Moines, Iowa 50306</p>

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UNIT 16 OTHER OCCUPATIONS CLUSTER (Cont'd)		BEST COPY AVAILABLE		
HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
L. Aerospace Medicine 1. 2. 3. Same as above 4. 5.		Booklet "Careers in Aerospace Medicine and Life Sciences" Book "Your Future in Aerospace Technology by Colonel L. D. Kly	Read and discuss Read and discuss	Aerospace Medical Assn. Washington Nat'l Airtpt. Washington, D. C. 20001 Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010



Orientation to Health Occupations

UNIT 17 HOSPITAL FINANCING CLUSTER (OPTIONAL)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Occupations Related to Financing			
1 hour	<ol style="list-style-type: none"> 1. Overview 2. Health Economist <ol style="list-style-type: none"> a. Description of work b. Specific characteristics required <ol style="list-style-type: none"> a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities <ol style="list-style-type: none"> a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook 	Lecture or guest speaker "Health Economist"	Discussion	Local hospital
	<ol style="list-style-type: none"> C. Hospital Controller <ol style="list-style-type: none"> 1. 2. 3. Same as above 4. 5. D. Hospital Credit Manager <ol style="list-style-type: none"> 1. 2. Same as under 3. Health Economist 4. 5. 	Lecture-This health field included in booklet listed with Hospital Accountant	Discussion	American Management Assn. 1515 Broadway New York, N.Y. 10036

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UNIT 17 HOSPITAL FINANCING CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA's)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	E. Hospital Accountant 1. 2. 3. Same as above 4. 5.	Lecture Booklet "Careers in Financial Management & Controllership" free 6pp	Discussion Read and discuss	Financial Executive Inst. 50 West 44th Street New York, N.Y. 10001 Hospital Financial Management Association 840 North Lake Shore Dr. Chicago, Ill. 60611 Accounting Careers Council Nat'l Distribution Center P. O. Box 650 Radio City Station New York, N.Y. 10019
3 hours	F. Hospital Computer Operator and Hospital Computer Programmer 1. 2. 3. Same as above 4. 5.	Demonstration by a hospital computer team. Booklet "Computer Career" Book "Your Future in the Electronic Computer Field" by Dause L. Bibby 139 pp. 1970, \$3.99	Observe and discuss Read and discuss Read and discuss	Medical Engineering & Electronics 2 East 63rd Street New York, N.Y. 10016 American Federation of Inf. Processing Societies 210 Surmit Avenue Montvale, N.J. 07645 Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010



Orientation to Health Occupations

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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (OPTIONAL)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	<p>Introduction to Supportive Occupations in Health Facilities</p> <p>A. Overview</p> <p>B. Housekeeping</p> <p>1. Supervisor, Lead Man, Assistant Housekeepers, and Executive</p> <p>a. Description of work</p> <p>b. Specific characteristics required</p> <p>1) Physical</p> <p>2) Emotional</p> <p>c. Educational requirements</p> <p>d. Licensure or certification</p> <p>e. Employment opportunities</p> <p>1) Location</p> <p>2) Working conditions</p> <p>3) Financial rewards</p> <p>4) Other rewards</p> <p>5) Future outlook</p> <p>2. Aide, Maid, Porter, Janitor</p> <p>a.</p> <p>b.</p> <p>c. Same as above</p>	<p>Lecture</p> <p>"Hospital Housekeeping's Place on the Hospital Team" (film strip) free</p> <p>"Hospital Housekeeping Safety" 15 min., color, 1964, \$3.00</p> <p>Booklet "In Choosing A Career-Consider Executive Housekeeping"</p> <p>Lecture</p>	<p>Discussion</p> <p>Discuss the role of housekeeper on the health team</p> <p>Discussion of safety measures for hospital workers shown in the film</p> <p>Read and discuss</p> <p>Discussion</p>	<p>Vestal Laboratories 4963 Manchester Ave. St. Louis, Mo. 63110</p> <p>The National Executive Housekeepers Assn., Inc. Business & Professional Bldg. Gallipolis, Ohio 45631</p> <p>American Hospital Assn. 840 North Lake Shore Dr. Chicago, Ill. 60611</p>



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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	d. e. 3. Laundry Manger/Worker - Washman/Flat Iron Workers- Packmakers a. b. Same as under c. Housekeeping No. 1 d. e.	Lecture	Discussion	Local Hospital American Hospital Assn. 840 North Lake Shore Dr. Chicago, Ill. 60611
	C. Engineering 1. Hospital Engineer a. b. Same as above c. d. e.	Lecture Booklet "Hospital Engineer"	Discussion Read and discuss	
	2. Hospital Maintenance Worker a. b. Same as above c. d. e.	Lecture	Discussion	
3 hours	D. Central Supply (Service)	Lecture	Discussion	

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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVALS)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	1. Central Service Suprv. a. b. Same as above c. d. e.	Plan tours through these hospital areas	Discussion of observations following trip	Local Hospital
	2. Central Service Tech/ Helper a. b. Same as under c. Housekeeping No. 1 d. e.	Lecture	Discussion	
1 hour	E. Purchasing 1. Purchasing Agent/Manager a. b. Same as above c. d. e.	Lecture Booklet "Hospital Purchasing Agent" 1966, free, 3pp.	Discussion Read and discuss	American Hospital Assn. 840 Lake Shore Drive Chicago, Ill. 60611
	2. Supervisor of Stores Operation a. b. Same as above c. d. e.	Lecture	Discussion	



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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
3.	Buyer a. Same as under b. Housekeeping No. 1 c. d. e.	Lecture	Discussion	
4.	Distribution Clerk a. Same as above b. c. d. e.	Lecture	Discussion	
5.	Receiving Clerk a. Same as above b. c. d. e.	Lecture	Discussion	
6	Inventory Clerk a. Same as above b. c. d. e.	Lecture	Discussion	
		The above workers can be interviewed and observed during field trip	Observe the above workers during field trip	