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95

RC 009 715

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## ABSTRACT

A supplement to six previous bibliographies, this bibliography provides access to some of the latest resource material, research findings, and/or developments in outdoor education. Part I contains 47 citations and abstracts which appeared in "Resources in Education" (RIE) from the January 1976 issue through the December 1976 issue. Part II includes 69 citations of journal articles which appeared in "Current Index to Journals in Education" (CIJE) from the January 1976 issue through the December 1976 issue. In addition to outdoor education, the citations cover such topics as camping, conservation education, curriculum development, discovery learning, ecology, educational philosophy, elementary school science, environmental education, field trips, facilities, handicapped children, land use, learning activities, natural resources, nature centers, oceanology, program development, resident camp programs, science activities, teacher education, and urban environment and education. Types of materials cited include curriculum guides, research reports, resource guides, instructional materials, program descriptions, and teaching guides. A combined RIE and CIJE subject index is provided to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. Ordering information and a list of the 16 ERIC clearinghouses are included. (NQ)

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ED 136971

OUTDOOR EDUCATION  
A SELECTED BIBLIOGRAPHY  
(with ERIC Abstracts)  
ERIC/CRESS Supplement No. 6

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
EDUCATION

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March 1977

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EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)  
CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS (CRESS)

New Mexico State University  
Las Cruces, New Mexico 88003

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The booklet may be duplicated in whole or in part, whenever such duplication is in the interest of bettering education.

March 1977

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### PREVIOUS BIBLIOGRAPHIES

- Outdoor Education, A Selected Bibliography. (ED 037 285)
- Outdoor Education, A Selected Bibliography. Supplement No. 1 (ED 055 702)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS  
Supplement No. 2 (ED 073 093)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS  
Supplement No. 3 (ED 087 582)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS  
Supplement No. 4 (ED 101 907)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS  
Supplement No. 5 (ED 118 306)

## INTRODUCTION

The Educational Resources Information Center (ERIC) is a federally funded national information system dedicated to the improvement of education through the dissemination of educational resources and research-related materials. ERIC aids school administrators, teachers, researchers, information specialists, professional organizations, students, and others in locating and using educational resources.

Each of the ERIC network centers focuses on a separate area (or areas) of education (for a listing of the individual clearinghouses, readers should consult a current issue of Resources in Education, formerly Research in Education). It is the responsibility of the ERIC Clearinghouse on Rural Education and Small Schools (CRESS) to collect materials related to rural education and small schools, and American Indian, Mexican American, migrant, and outdoor education and to input these materials into the national ERIC system.

A main function of the ERIC system is to process documents other than current journal articles for announcement in Resources in Education (RIE), a monthly publication containing abstracts of research, research-related reports, and resource materials in education as input by the various Clearinghouses. In addition, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly index which provides citations from over seven hundred major publications: journals, quarterlies, annuals, and yearbooks.

### About the Bibliography

The present bibliography was compiled to provide access to some of the latest resource material, research findings, and/or developments in outdoor

*p. 10 blank*

education. The present bibliography is a supplement to six previous ERIC/CRESS publications. The previously published bibliographies, in conjunction with the present supplement comprise a series of bibliographies designed to provide cumulative coverage of outdoor education throughout the currently available issues of RIE and CIJE. (It should be noted that microfiche and hard copy prices in the previously published bibliographies do not reflect current ERIC Document Reproduction Service pricing; however, prices given therein may be computed as per the instructions on the order blank appended to the present bibliography.)

In conducting the computer search of the ERIC tapes for the purpose of compiling this bibliography, the only term used was OUTDOOR. The output was then screened for relevance to outdoor education.

#### Sources of Material

Resources in Education. Part of the present supplement contains citations and abstracts which have appeared in RIE from the January 1976 issue through the December 1976 issue. RIE contains subject, author, and institution indexes, along with document resumes which include the ERIC accession number, author(s), title source(s), date of publication, ERIC Document Reproduction Service prices or an alternative availability, and the abstract.

For the subject index, two types of descriptive terms are available for RIE as well as CIJE: descriptors and identifiers. Descriptors are technically meaningful terms or short phrases that have been incorporated into the Thesaurus of ERIC Descriptors. Descriptors are used to characterize the document and for indexing and retrieval purposes. Only major descriptors (those preceded by an asterisk) are used for indexing purposes in this bibliography.

Proper names of persons, geographical locations, trade names, and so on may be important in describing a document. These terms, called identifiers, are not found in the Thesaurus. Identifiers are included with the citations in RIE for descriptive purposes. Major identifiers (those preceded by an asterisk) are not indexed in this bibliography.

When using the RIE section of this bibliography, the reader is encouraged (1) to utilize the subject index in identifying relevant materials, (2) to examine the resumes to determine appropriateness of materials, and (3) to obtain microfiche or hard copy reproductions of documents from ERIC Document Reproduction Service. The reproductions must be ordered as described on the order blank appended to the present bibliographic supplement.

The reader is reminded that there are numerous complete microfiche collections of ERIC materials throughout the nation which may be used by the public. A list containing the locations of these standing orders may be found in Section IV of this publication.

Current Index to Journals in Education. Part II of this supplement, CIJE coverage, includes citations from CIJE beginning with the January 1976 issue and continuing through the December 1976 issue. Entries listed in the CIJE section of this bibliography are processed in a slightly different manner than are RIE citations. Brief annotations take the place of RIE abstracts. Furthermore, annotations are provided only when it is thought that the article being processed cannot be described adequately by a combination of major and minor descriptors, identifiers, and information in the title. Each journal citation includes the publication date, article title, personal author(s), journal title (sometimes abbreviated), and information on the volume, number, and pages. Please note that there are two CIJE entries per page.



Since CIJE entries are not available from ERIC Document Reproduction Service, the reader is encouraged to take advantage of his local library in locating the journals he wishes to use.

### The Subject Index

A combined RIE and CIJE index is provided at the end of the present bibliography to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. The index terms, descriptors under which the citations were indexed in RIE and CIJE, are from the Thesaurus of ERIC Descriptors. Only major descriptors (those preceded by an asterisk) are indexed; major identifiers are not indexed in this bibliography.

Each citation in the bibliography is headed by an ERIC accession number. Entries from RIE are assigned an ED number; those from CIJE are assigned an EJ number. In both the RIE and CIJE sections, the citations appear in numerical order according to the accession number. The citations are referenced in the index by the accession number.

### Ordering Information

Publications cited in Part I of this bibliography are either available from ERIC Document Reproduction Service (EDRS) or an alternate availability is given with the citation. Prices may be computed as per the instructions on the order blank appended to the present bibliography.

Before ordering any item, the RIE citations should be double checked. If the citation carries the statement NOT AVAILABLE FROM EDRS, an alternate availability is given. If the citation carries the statement HC NOT AVAILABLE FROM EDRS, the publication is available in microfiche only from EDRS. If

neither of the foregoing statements appears with the RIE citation, it may be assumed that the publication is available from EDRS in microfiche and hard copy. Please use the order blank appended to this bibliography when ordering microfiche or hard copy from EDRS.

Document Contributions

Persons desiring to contribute materials such as those cited in this bibliography may do so by sending one copy (two if available) to:

ERIC/CRESS Acquisitions  
New Mexico State University  
Box 3AP  
Las Cruces, New Mexico 88003

**PART I: CITATIONS FROM RESOURCES IN EDUCATION**

## SAMPLE ABSTRACT

ED ED116883  
 CH RC008955  
 AU SMATHERS, KEENER M.  
 TI OUTWARD BOUND IN THE PROFESSIONAL EDUCATION OF TEACHERS. A STUDY  
 OF AN EXPERIMENTAL COMPONENT IN FIELD EXPERIENCES.  
 PD 75  
 IS RIE76MAY  
 IN NATIONAL CONFERENCE ON OUTDOOR PURSUITS IN HIGHER EDUCATION.  
 SN DEWITT WALLACE / READER'S DIGEST FUND, PLEASANTVILLE, N.Y.  
 PR EDRS PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE  
 AV OFFICE OF WILDERNESS EXPERIENCES, APPALACHIAN STATE UNIVERSITY,  
 BOONE, NORTH CAROLINA 28608 (\$3.00)  
 NO 60P.  
 DE \*COMPARATIVE ANALYSIS; HIGHER EDUCATION; HUMANISM  
 DE \*OUTDOOR EDUCATION; \*SELF CONCEPT; STUDENT TEACHER RELATIONSHIP  
 DE \*STUDENT TEACHING; \*TEACHER EDUCATION  
 ID APPALACHIAN STATE UNIVERSITY; \*OUTWARD BOUND; STRESS EXPERIENCES  
 AB IN AN EFFORT TO MEASURE THE IMPACT OF OUTWARD BOUND (OB)  
 EDUCATION ON TEACHER CANDIDATES, AN 18-DAY STRESS EXPERIENCE WAS  
 ARRANGED FOR 12 APPALACHIAN STATE UNIVERSITY STUDENTS AND THEN  
 COMPARED WITH THE EFFECTS OF THE NORMAL 11-WEEK STUDENT TEACHER  
 EXPERIENCES OF TWO OTHER GROUPS. THE OB GROUP UNDERWENT A SERIES  
 OF INDIVIDUAL AND GROUP WILDERNESS PROBLEMS INVOLVING  
 CROSS-COUNTRY BACK PACKING, ROCK CLIMBING, WHITE WATER RAFTING,  
 AND A THREE-DAY WILDERNESS SOLO WITHOUT FOOD. THE OB STUDENTS  
 WERE ALSO GIVEN A DIME AND ASKED TO "MAKE DO" IN ATLANTA, GEORGIA  
 FOR SEVERAL DAYS. LEARNING BY DOING AND GROUP COOPERATION WERE  
 EMPHASIZED. DURING THE REMAINING 8 WEEKS OF THE SEMESTER, THESE  
 STUDENTS TAUGHT IN A CLASSROOM. PRE- AND POST-ASSESSMENTS BY OB  
 STUDENTS OF THEIR OVERALL PROFESSIONAL EDUCATION AND THEIR  
 PERSONAL TEACHING READINESS AND PERFORMANCE WERE POSITIVE, AS  
 WERE THEIR SUMMARIZATION STATEMENTS. EVALUATIONS BY PUBLIC SCHOOL  
 CLASSES AND COLLEGE SUPERVISORS DID NOT INDICATE SIGNIFICANT  
 DIFFERENCES AMONG THE GROUPS, BUT PRE- AND POST-INVENTORIES  
 RELATIVE TO THE TOTAL CONTRIBUTION OF PROFESSIONAL EDUCATION TO  
 TEACHING READINESS SHOWED MARKED CHANGES IN FAVOR OF OB, WHILE  
 THE OTHER GROUPS' RESPONSES DID NOT VARY. SPECIFICALLY, THE OB  
 GROUP GAINED IN: (1) TEACHER SELF-CONFIDENCE; (2) STUDENT  
 INVOLVEMENT (INVOLVING STUDENTS); AND (3) HUMANISM (HUMANISTIC  
 RECEPTIVITY TO OTHERS). (JC)

## KEY TO ABSTRACT

- ED ERIC Accession Number - identification number sequentially assigned to documents as they are processed
- CH Clearinghouse accession number
- AU Author(s)
- TI Title
- PD Date published
- IS Issue of RIE
- IN Institutional source
- SN Sponsoring agency - agency responsible for initiating, funding, and managing the research project
- PR EDRS price - price through ERIC Document Reproduction Service. "MF" means microfiche; "H" means hard copy. When listed "not available from EDRS", other sources are cited above
- AV Alternate source for obtaining document
- NO Number of pages
- DE Descriptors - subject terms which characterize substantive content. Only the major terms, preceded by an asterisk, are printed in the subject index
- ID Identifiers - additional identifying terms not found in the Thesaurus of ERIC Descriptors
- AB Informative abstract
- ( ) Abstractor's initials always placed at end of abstract

ED - ED111549  
CH - RC008730  
AU - ISHKANIAN, MARK, COMP.; AND OTHERS  
TI - DIRECTORY OF NATURE CENTERS, OUTDOOR STUDY AREAS AND ENVIRONMENTAL EDUCATION CENTERS IN NEW YORK STATE. SPRING 1975 EDITION.  
PD - 75  
IS - RIE76JAN  
IN - NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION, ALBANY.  
IN - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, SYRACUSE.  
PR - EDRS PRICE MF-\$0.76 HC-\$1.95 PLUS POSTAGE  
AV - NYSOEA DIRECTORY, BOX 26, SYRACUSE, NEW YORK 13215 (\$2.00)  
NO - 37P.; PREPARED WITH THE COOPERATION OF '76 ENVIRONMENT, ALBANY, NEW YORK  
DE - \*DIRECTORIES; \*ENVIRONMENTAL EDUCATION; \*FACILITIES  
DE - \*NATURE CENTERS; \*OUTDOOR EDUCATION; \*PROGRAMS  
ID - NEW YORK  
AB - COMPILED FROM SURVEY RESPONSES, THIS PUBLICATION CONSTITUTES THE SECOND EDITION OF A GUIDE TO ESTABLISHED OUTDOOR AND ENVIRONMENTAL EDUCATION CENTERS IN THE STATE OF NEW YORK. ORGANIZED BY REGION (ENVIRONMENTAL CONSERVATION REGIONS OF NEW YORK STATE) AND BY COUNTY, APPROXIMATELY 80 ENTRIES ARE PRESENTED. EACH ENTRY INCLUDES: (1) THE CENTER'S NAME, ADDRESS, PHONE NUMBER, SUPERVISOR'S NAME, AND AFFILIATIONS; (2) A BRIEF DESCRIPTION OF THE CENTER'S FACILITIES; AND (3) THE KIND OF EDUCATIONAL PROGRAMS OFFERED. (JC)

ED - ED111554  
 CH - RC008735  
 TI - THE PIONEER STUDENT TEXTBOOK. MOHICAN SCHOOL IN THE OUT-OF-DOORS.  
 PD - 74  
 IS - RIE76JAN  
 IN - MOHICAN SCHOOL IN THE OUT-OF-DOORS, PERRYSVILLE, OHIO.  
 PR - EDRS PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE  
 AV - MOHICAN SCHOOL IN THE OUT-OF-DOORS, BOX 150, ROUTE #2,  
 PERRYSVILLE, OHIO 44864 (\$2.50)  
 NO - 74P.; FOR RELATED DOCUMENT, SEE ED 038 219; PAGE 26 MAY REPRODUCE  
 POORLY DUE TO SMALL PRINT  
 DE - CONSERVATION EDUCATION; CREATIVE EXPRESSION; ECOLOGY  
 DE - \*ELEMENTARY SCHOOL CURRICULUM; HISTORY; MATHEMATICS  
 DE - \*NATURAL RESOURCES; \*OUTDOOR EDUCATION; POETRY  
 DE - \*RESIDENT CAMP PROGRAMS; SCIENCE ACTIVITIES; \*TEXTBOOKS  
 AB - DESIGNED FOR PRE-CAMP AND IN-CAMP STUDIES, THIS TEXT PRESENTS  
 MATERIALS RELATIVE TO THE MOHICAN SCHOOL IN THE OUT-OF-DOORS  
 (PERRYSVILLE, OHIO). THE FOLLOWING AREAS ARE COVERED: (1) THE  
 DAILY CAMP SCHEDULE (INCLUDES SECTIONS ON COMMUNITY LIFE,  
 UTILIZATION OF THE SENSES, AND THE ART OF OBSERVATION); (2) AN  
 HISTORICAL/GEOGRAPHICAL REVIEW OF THE MOHICAN AREA; (3) THE ART  
 OF CREATIVE EXPRESSION (INCLUDES SAMPLES OF JOURNAL ENTRIES,  
 STUDENT POETRY, ETC); (4) THE ART OF CONSERVATION AND ECOLOGICAL  
 EXPLORATION (INCLUDES TRAILSIDE FACTS AND MANNERS, POND STUDY,  
 CREEKBED STUDY, OUTDOOR MATHEMATICS, A COMPASS GAME, TREE  
 IDENTIFICATION, TREE OBSERVATION, FERN OBSERVATION, WILD LOWER  
 OBSERVATION, BIRD OBSERVATION, SOIL STUDY, ETC); AND (5) WEATHER  
 STUDY (VOCABULARY FOR ECOLOGY AND WEATHER, WIND SPEED ESTIMATION,  
 CHILL FACTOR, WEATHER FORECASTING, AND HUMIDITY CHART). THE TEXT  
 IS DIVIDED INTO READING MATERIALS (PRE-CAMP) AND WORKSHEETS  
 (IN-CAMP) WHICH INCLUDE MAPS, PICTURES, DRAWINGS, CHARTS, ETC.  
 (JC)

EC - ED111564  
 CH - RC008745  
 AU - ASKHAM, LEONARD R.  
 TI - WILDERNESS: A WAY OF THINKING; A STATE OF MIND.  
 PD - 24 AUG 75  
 IS - RIE76JAN  
 PR - EDRS PRICE MF-\$0.76 HC-\$1.58 PLUS POSTAGE  
 NO - 16P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE RURAL  
 SOCIOLOGICAL SOCIETY, (SAN FRANCISCO, CALIFORNIA, AUGUST 24, 1975)  
 DE - ATTITUDES; \*BEHAVIOR CHANGE; \*CONCEPT FORMATION  
 DE - \*ENVIRONMENTAL CRITERIA; ENVIRONMENTAL EDUCATION  
 DE - INDIVIDUAL DIFFERENCES; \*OUTDOOR EDUCATION; \*RECREATION  
 DE - SOCIAL RELATIONS  
 ID - \*WILDERNESS  
 AB - WILDERNESS, AS A STATE OF MIND, HAS PERSISTED AMONG MEN SINCE THE  
 BEGINNING OF TIME. WRITTEN HISTORY HAS DOCUMENTED MAN'S STRUGGLE  
 WITH AND AGAINST IT. IT HAS ONLY BEEN DURING THE LAST CENTURY  
 THAT MAN, IN A SOCIETAL CONTEXT, HAS DESIGNATED VAST TRACTS OF  
 LAND AS WILDERNESS. THE EXTENT TO WHICH WILDERNESS ATTRIBUTES ARE  
 PERCEIVED AND THE MEANING ATTACHED TO THEM VARIES WITH THE  
 OBSERVER. OVER THE YEARS, IT HAS BEEN REGARDED BOTH AS AN ENEMY  
 TO BE CONQUERED IN THE NAME OF CIVILIZATION, CHRISTIANITY, AND  
 PROGRESS, AND AS SOMETHING OF VALUE TO BE CHERISHED AND  
 PRESERVED. THUS, THE DICHOTOMY EMERGES BETWEEN WILDERNESS AS A  
 PHYSICAL ENTITY AND WILDERNESS AS PERCEIVED BY AN INDIVIDUAL  
 ENCOUNTERING A PREVIOUSLY UNENCOUNTERED, OPERATIONAL ENVIRONMENT  
 FOR THE FIRST TIME. FOR MANY PEOPLE, PARTICULARLY THOSE WHO ARE  
 BORN AND RAISED IN AN URBAN ENVIRONMENT, THE WILDERNESS BEGINS AT  
 THE EDGE OF THE CONCRETE. FOR OTHERS, IT EXISTS AT THE BOUNDS OF  
 THEIR LIMITATIONS. THEREFORE, EACH INDIVIDUAL PERCEIVES  
 WILDERNESS IN THE CONTEXT OF HIS HISTORY, MATURATION, AND  
 EXPOSURE TO DIFFERENT TYPES OF OPERATIONAL ENVIRONMENTS. AS  
 EXPOSURE INCREASES AND THE INDIVIDUAL MATURES, SO DOES HIS  
 CONCEPT OF WHAT A WILDERNESS MIGHT BE. (AUTHOR/NQ)



ED - ED113113  
 CH - RC008825  
 AU - KELBA, NESTOR N.  
 TI - THE DEVELOPMENT OF AN INSTRUMENT FOR EVALUATING RESIDENTIAL  
 OUTDOOR EDUCATION CENTRES IN CANADA.  
 PD - APR 74  
 IS - RIE76FEB  
 PR - EDRS PRICE MF-\$0.76 HC-\$8.24 PLUS POSTAGE  
 NO - 158P.; MS THESIS, CALGARY UNIVERSITY, CALGARY, ALBERTA  
 DE - \*EVALUATION METHODS; \*LITERATURE REVIEWS; MASTERS THESES  
 DE - \*MEASUREMENT INSTRUMENTS; OBJECTIVES; \*OUTDOOR EDUCATION  
 DE - PROGRAM CONTENT; \*RESIDENTIAL CENTERS; RESIDENTIAL PROGRAMS  
 ID - \*CANADA  
 AB - THE STUDY'S PURPOSE WAS TO DEVELOP A VALID INSTRUMENT FOR  
 EVALUATING RESIDENTIAL OUTDOOR EDUCATION CENTRES IN CANADA. USING  
 PUBLISHED AND UNPUBLISHED LITERATURE, A PRELIMINARY INSTRUMENT  
 CONSISTING OF 206 CRITERIA WAS CONSTRUCTED. TWENTY-FIVE  
 RECOGNIZED CANADIAN EXPERTS IN RESIDENTIAL OUTDOOR EDUCATION WERE  
 RANDOMLY SELECTED FROM 3 SUBSAMPLE AREAS (THE MARITIMES,  
 QUEBEC-ONTARIO, AND WESTERN CANADA); THESE WERE ASKED TO ACT AS  
 JURORS. TO VALIDATE THE PRELIMINARY INSTRUMENT, THE JURORS WERE  
 SENT A COPY OF THE INSTRUMENT WITH INSTRUCTIONS TO RATE EACH  
 CRITERION ON A 7-POINT SCALE: ESSENTIAL, VERY DESIRABLE,  
 DESIRABLE, ACCEPTABLE, QUESTIONABLE, UNACCEPTABLE, NOT FEASIBLE,  
 AND AN EIGHTH SCALE, NOT APPLICABLE. TWENTY JURORS (80 PERCENT OF  
 THE TOTAL NUMBER) RESPONDED. OF THE 206 CRITERIA, 3 WERE EXCLUDED  
 BECAUSE THEIR AVERAGE RATINGS WERE LOWER THAN THE REQUIRED 4.0  
 AND 1 BECAUSE OF THE JURORS' COMMENTS. THE OVERALL AVERAGE RATING  
 OF THE 202 CRITERIA RETAINED IN THE INSTRUMENT WAS 6.0 OR VERY  
 DESIRABLE. THE FINAL INSTRUMENT WAS GIVEN A 6-POINT SCALE WHICH  
 INCLUDED: MET COMPLETELY, GREAT DEGREE, MODERATE DEGREE, SMALL  
 DEGREE, NOT MET TO ANY DEGREE, AND NOT APPLICABLE. IN ADDITION,  
 THE AVERAGE RATING RECEIVED FROM JURORS FOR EACH CRITERION WAS  
 INCLUDED IMMEDIATELY FOLLOWING THAT CRITERION IN THE BODY OF THE  
 INSTRUMENT. (AUTHOR/NQ)

ED - ED113150  
 CH - SE019540  
 AU - CASE, SHARON, ED.; AND OTHERS  
 TI - LIVING EDUCATION: A TEACHER'S GUIDE TO OVERNIGHT SITES IN OREGON.  
 PD - 75  
 IS - RIE76FEB  
 IN - OREGON STATE DEPT. OF EDUCATION, SALEM.  
 PR - EDRS PRICE MF-\$0.76 NC-\$4.43 PLUS POSTAGE  
 AV - DOCUMENTS CLERK, OREGON DEPARTMENT OF EDUCATION, 942 LANCASTER  
 DRIVE, N.E., SALEM, OREGON 97310 (\$2.00)  
 NO - 85P.; PHOTOGRAPHS WILL REPRODUCE POORLY  
 DE - \*CAMPING; \*EDUCATIONAL FACILITIES; EDUCATIONAL RESOURCES  
 DE - ENVIRONMENTAL EDUCATION; FIELD INSTRUCTION; FIELD TRIPS  
 DE - \*INSTRUCTIONAL MATERIALS; INSTRUCTIONAL MEDIA  
 DE - INSTRUCTIONAL TRIPS; OUTDOOR EDUCATION; PROGRAM DEVELOPMENT  
 DE - RECREATIONAL PROGRAMS; \*RESIDENT CAMP PROGRAMS; \*TEACHING GUIDES  
 ID - OREGON  
 AB - THIS DOCUMENT HAS BEEN PREPARED TO ENCOURAGE TEACHERS IN OREGON  
 TO PLAN ENVIRONMENTAL TRIPS WITH THEIR CLASSES. IT IS ORGANIZED  
 INTO THREE MAJOR SECTIONS--AWARENESS IN A LIVING ENVIRONMENT,  
 TEACHING AND PLANNING RESOURCES, AND DIRECTORY OF OVERNIGHT SITES  
 IN OREGON. USING A SERIES OF QUESTIONS AS GUIDELINES, CHILDREN  
 BECOME AWARE OF THEIR ENVIRONMENT BY LOOKING, LISTENING, AND  
 TOUCHING. CHANGE, CYCLES, MICROHABITATS, AND INTERDEPENDENCE ARE  
 OTHER TOPICS DESIGNED TO STIMULATE INQUIRY AND INCREASE  
 ENVIRONMENTAL AWARENESS. THE SECOND PART OF THIS PUBLICATION IS  
 ARRANGED IN FIVE SUBSECTIONS. THE FIRST SECTION IS A LISTING OF  
 AGENCIES THAT WILL PROVIDE FREE PAMPHLETS, BOOKLETS, MAPS,  
 GUIDES, FILMS, AND SLIDE PRESENTATIONS UPON REQUEST. SECTION TWO  
 PRESENTS A BIBLIOGRAPHY OF INSTRUCTIONAL MATERIALS. THE THIRD  
 AREA CONTAINS A GLOSSARY OF TERMS, WHICH MIGHT BE HELPFUL IN  
 DISCUSSING ENVIRONMENTAL ISSUES. TIPS ON PLANNING TRIPS ARE  
 INCLUDED IN THE FOURTH SUBSECTION. THE FIFTH AREA IS A LISTING OF  
 SUGGESTED ITEMS TO TAKE ON A TRIP. PART THREE PROVIDES A LISTING  
 OF NON-COMMERCIAL CAMPS AVAILABLE THROUGH AGENCIES, CHURCH  
 ORGANIZATIONS, OR PRIVATE OWNERS. THE CAMPS ARE LISTED WITHIN  
 EACH OF THE ELEVEN AREA DIVISIONS OF OREGON, AND BY COUNTY WITHIN  
 EACH DIVISION. LOCATION, ACCOMMODATIONS, AND CONTACTS FOR CAMPS  
 ARE INCLUDED. (BP)

ED - ED113154  
 CH - SE019638  
 TI - ACTIVITIES. A COLLECTION OF THINGS TO DO AT THE ENVIRONMENTAL  
 LEARNING CENTER, ISABELLA, MINNESOTA.  
 PD - 75  
 IS - RIET6FEB  
 IN - ENVIRONMENTAL LEARNING CENTER, ISABELLA, MINN.  
 PR - EDRS PRICE MF-\$0.76 HC-\$5.70 PLUS POSTAGE  
 NO - J19P.; OCCASIONAL MARGINAL LEGIBILITY  
 DE - CURRICULUM GUIDES; \*ELEMENTARY SECONCARY EDUCATION  
 DE - \*ENVIRONMENTAL EDUCATION; \*INSTRUCTIONAL MATERIALS  
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION  
 DE - RESIDENT CAMP PROGRAMS; \*SCIENCE EDUCATION; STUDENT PROJECTS  
 DE - \*TEACHING GUIDES  
 AB - A COLLECTION OF ACTIVITIES USED SUCCESSFULLY AT THE ENVIRONMENTAL  
 LEARNING CENTER IN ISABELLA, MINNESOTA, ARE CONTAINED IN THIS  
 GUIDE. AREAS OF STUDY ARE PERCEPTION AND COMMUNICATION, MAPPING,  
 WEATHER, SNOW, SOIL, AQUATICS, TREES, AND ANIMALS. WITHIN THESE  
 AREAS IS A NUMBER OF RELATED ACTIVITIES, EACH TO BE ADAPTED TO  
 THE APPROPRIATE GRADE LEVEL. THE EXERCISES CONTAIN A BRIEF  
 DESCRIPTION WITH A STATEMENT OF PURPOSE. EQUIPMENT CHECKLISTS  
 INDICATE WHAT THE CENTER FURNISHES, AND WHAT YOU ARE EXPECTED TO  
 PROVIDE. PROCEDURES EXPLAIN SPECIFICALLY HOW TO GO ABOUT EACH  
 ACTIVITY. A SERIES OF DISCUSSION QUESTIONS SERVE AS A FOLLOW UP  
 TO THE EXERCISES. THE LESSONS PROVIDE A DEGREE OF FLEXIBILITY, SO  
 THAT THEY CAN BE USED WHEN DESIGNING A RESIDENT PROGRAM, OR  
 MODIFIED TO ACCOMMODATE INDIVIDUAL OR GROUP NEEDS. A NUMBER OF  
 THE ACTIVITIES SUGGEST THE USE OF ACTIVITY CARDS WHICH CAN BE  
 REPRODUCED FROM THE LESSON SAMPLE. NOTEBOOKS ARE ALSO INDICATED  
 AS BEING IMPORTANT IN MOST AREAS. INCLUDED IN THE APPENDIX IS A  
 DETAILED ACCOUNT OF AVAILABLE EQUIPMENT AT THE CENTER, INCLUDING  
 THOSE ITEMS FOR CAMPING, RECREATION, MEASURING, OPTICS,  
 ASTRONOMY, TERRESTRIAL NEEDS, AQUATIC NEEDS, TEST KITS, AND  
 AUDIOVISUAL AIDS. THE BIBLIOGRAPHY CONTAINS A COLLECTION OF  
 MATERIALS USED TO DEVELOP ENVIRONMENTALLY ORIENTED LESSONS. (BP)

ED - ED113896  
 CH - EC080250  
 AU - HAWKINS, DONALD E.; AND OTHERS  
 TI - THE NATURAL ENVIRONMENT AND HUMAN DEVELOPMENT: IMPLICATIONS FOR  
 HANDICAPPED CHILDREN IN URBAN SETTINGS.  
 PD - MAY 75  
 IS - RIE76MAR  
 SN - FOREST SERVICE (DOA), WASHINGTON, D.C.  
 PR - EDs PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE  
 NO - 56P.  
 DE - ADAPTED PHYSICAL EDUCATION; ADMINISTRATION  
 DE - \*ARCHITECTURAL BARRIERS; BIBLIOGRAPHIES; CAMPING  
 DE - CHILD DEVELOPMENT; DESIGN NEEDS; \*ENVIRONMENTAL INFLUENCES  
 DE - EXCEPTIONAL CHILD EDUCATION; \*HANDICAPPED CHILDREN  
 DE - OUTDOOR EDUCATION; \*PROGRAM PLANNING; RECREATION  
 DE - \*URBAN ENVIRONMENT  
 AB - PRESENTED FOR ENVIRONMENTAL DESIGNERS AND PROGRAM PLANNERS  
 SERVING HANDICAPPED CHILDREN IN URBAN SETTINGS IS INFORMATION ON  
 USING THE NATURAL ENVIRONMENT BOTH AS A THERAPEUTIC MODALITY AND  
 TO FACILITATE CHILD DEVELOPMENT; PLANNING, ADMINISTERING, AND  
 EVALUATING INNOVATIVE EDUCATIONAL RECREATIONAL AND CAMPING  
 PROGRAMS; AND DEVELOPING STANDARDS FOR ARCHITECTURAL  
 MODIFICATIONS AND BARRIER-FREE DESIGN. INCLUDED IS A BIBLIOGRAPHY  
 CONTAINING APPROXIMATELY 280 REFERENCES ARRANGED ALPHABETICALLY  
 BY AUTHOR OR SOURCE WITHIN THE FOLLOWING CATEGORIES: GENERAL  
 REFERENCES; PHYSICAL AND MOTOR DEVELOPMENT; PERCEPTUAL  
 DEVELOPMENT; BEHAVIOR/PERSONALITY/AFFECTIVE DEVELOPMENT;  
 INTELLECTUAL/COGNITIVE/LANGUAGE DEVELOPMENT; PROGRAM PLANNING,  
 ADMINISTRATION, AND EVALUATION IN THE NATURAL ENVIRONMENT; AND  
 ARCHITECTURAL MODIFICATIONS/BARRIER-FREE DESIGN. (LH)

ED - E0114215  
 CH - RC008831  
 AU - LEWIS, CHARLES A., JR., ED.; CARLSON, MARCIA K., ED.  
 TI - CONTEMPORARY PERSPECTIVES IN OUTDOOR EDUCATION.  
 PD - 74  
 IS - RIE76MAR  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS  
 AV - COLLEGE BOOKSTORE, STATE UNIVERSITY COLLEGE, CORTLAND, N.Y. 13045  
 (\$6.35); MAKE CHECKS PAYABLE TO FACULTY STUDENT ASSOCIATION  
 NO - 130P.  
 DE - CAMPING; CURRICULUM DEVELOPMENT; \*EDUCATIONAL THEORIES  
 DE - ELEMENTARY SECONDARY EDUCATION; EMOTIONALLY DISTURBED  
 DE - \*ENVIRONMENTAL EDUCATION; FINANCIAL SUPPORT; HIGHER EDUCATION  
 DE - \*LITERATURE REVIEWS; METHODS; \*OUTDOOR EDUCATION  
 DE - \*PROGRAM DESCRIPTIONS; SELF ACTUALIZATION; VISUALLY HANDICAPPED  
 AB - DESIGNED TO PROVIDE THE STUDENT OF OUTDOOR EDUCATION WITH A  
 SYNTHESIS OF CURRENT LITERATURE IN THE FIELD. THIS COLLECTION  
 PRESENTS 26 ARTICLES WHICH RANGE FROM ADMINISTRATIVE TO PRACTICAL  
 APPLICATIONS OF OUTDOOR EDUCATION THEORY AND PHILOSOPHY. ARTICLES  
 INCLUDE DISCUSSIONS OF: (1) THE PHILOSOPHY OF OUTDOOR EDUCATION;  
 (2) A LONDON SCHOOL AND ITS USE OF THE ENVIRONMENT; (3) OUTDOOR  
 EDUCATION METHODOLOGY; (4) CAMPING AND CAMPER ATTITUDES; (5)  
 NATURE AS A CLASSROOM; (6) AN EDUCATIONAL PROGRAM INVOLVING YOUNG  
 PEOPLE IN PUBLIC AFFAIRS; (7) OUTWARD BOUND; (8) SELF-AWARENESS  
 VIA OUTDOOR EDUCATION; (9) A SUMMER CAMP THAT INCLUDED MENTALLY  
 RETARDED CHILDREN; (10) COOPERATIVE FUNDING; (11) COMPARATIVE  
 ENVIRONMENTAL EDUCATION IN PARK SETTINGS; (12) THE INTEGRATION OF  
 OUTDOOR EDUCATION INTO THE CURRICULUM; (13) ORGANIZING CAMPS;  
 (14) A MOUNTAIN CLASSROOM; (15) THE OUTDOOR EDUCATION REVIVAL IN  
 NEW YORK STATE; (16) OUTDOOR TEACHING; (17) A SCHOOL GROUND  
 OUTDOOR EDUCATION LABORATORY; (18) THE CONCEPT OF THE "NATURE  
 CREEP"; (19) AN OUTDOOR COMMUNITY FOR TROUBLED ADOLESCENTS; (20)  
 BEING IN TOUCH WITH NATURE; (21) A SNOW TREK FOR EMOTIONALLY  
 DISTURBED STUDENTS; (22) ENVIRONMENTAL PROTECTION THROUGH OUTDOOR  
 EDUCATION; (23) A NATURE TRAIL WITH BRAILLE MARKERS FOR THE  
 VISUALLY HANDICAPPED; (24) A PROGRAM FOR THE UNDERACHIEVER; (25)  
 HUNTING. (JC)

ED - ED114219  
 CH - RC008838  
 AU - METCALF, HARLAN G.  
 TI - WHITTLIN', WHISTLES, AND THINGAMAJIGS: THE PIONEER BOOK OF NATURE  
 CRAFTS AND RECREATION ARTS.  
 PD - 74  
 IS - RIE76MAR  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS  
 AV - STACKPOLE BOOKS, CAMERON AND KELKER STREETS, HARRISBURG,  
 PENNSYLVANIA 17105 (\$10.00)  
 NO - 190P.  
 DE - CONSERVATION (ENVIRONMENT); FOLK CULTURE; GAMES; \*GUIDES  
 DE - \*HANDICRAFTS; HISTORY; ILLUSTRATIONS; \*METHODS  
 DE - \*NATURAL RESOURCES; \*OUTDOOR EDUCATION; PLANT IDENTIFICATION  
 DE - RECREATIONAL ACTIVITIES  
 AB - DESIGNED TO RECAPTURE RESPECT FOR NATURE, THIS BOOK PRESENTS  
 NUMEROUS NATURAL HANDICRAFTS WHICH MAY BE UTILIZED BY YOUTH  
 LEADERS, CAMPERS, FOLKLORISTS, HOBBYISTS, AND CHILDREN OF ALL  
 AGES. ILLUSTRATED VIA PHOTOGRAPHS AND DRAWINGS, HANDICRAFTS ARE  
 DESCRIBED AND PRESENTED IN TERMS OF HISTORY, CONSERVATION, AND  
 TECHNIQUE. AMONG THE ACTIVITIES INCLUDED ARE: (1) MAKING WHISTLES  
 AND HORNS FROM NATURAL SOURCES; (2) GATHERING, PREPARING, AND  
 USING NATURAL CORDAGE MATERIALS; (3) MAKING SPEARS AND JAVELINS;  
 (4) DEVELOPING SPEAR-THROWING TECHNIQUES (PRIMITIVE PROTOTYPES  
 AND MODERN VERSIONS); (5) IDENTIFYING SUITABLE MATERIALS FOR THE  
 WHIP-DART AND THE SLINGSHOT; (6) THROWING STONES WITH POWER AND  
 USING THE SLING; (7) MAKING AND USING THE PRIMITIVE BLOWPIPE; (8)  
 MAKING AND USING THE BOOMERANG (AUSTRALIAN RETURN AND NON-RETURN,  
 PINWHEEL, AND CROSS-STOCK BOOMERANGS); (9) MAKING BOWS AND ARROWS  
 AND INCREASING MARKSMANSHIP; (10) IDENTIFYING MATERIALS FOR  
 MAKING WALKING STICKS; AND (11) MAKING FISHING TACKLE AND  
 LEARNING FISHING TECHNIQUES. ADDITIONALLY, THIS BOOK PRESENTS  
 CONCISE DESCRIPTIONS DETAILING THE COLLECTION AND USE OF VARIOUS  
 TREES, PLANTS, SHRUBS, AND GRASSES. (JC)

ED - ED114254  
 CH - SE018110  
 TI - POPULATION INQUIRIES: U.S. AND WORLD DYNAMICS. VOLUME 1.  
 PD - 74  
 IS - RIE76MAR  
 IN - INDIANA UNIV., BLOOMINGTON. POPULATION EDUCATION PROJECT.  
 SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. OFFICE OF ENVIRONMENTAL EDUCATION.  
 PR - EDRS PRICE MF-\$0.76 HC-\$10.78 PLUS POSTAGE  
 CG - OEG-0-72-5143  
 NO - 215P.; FOR VOLUME 2 SEE SE 018 111  
 DE - CONSERVATION EDUCATION; \*CURRICULUM GUIDES  
 DE - \*ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS  
 DE - INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES  
 DE - NATURAL RESOURCES; OUTDOOR EDUCATION; \*POPULATION EDUCATION  
 DE - POPULATION GROWTH; POPULATION TRENDS; SCIENCE EDUCATION  
 DE - \*SECONDARY EDUCATION; SOCIAL STUDIES; TEACHING GUIDES  
 AB - THIS INSTRUCTIONAL UNIT ON POPULATION ISSUES FOR USE IN HIGH SCHOOL SOCIAL STUDIES CLASSES HAS BEEN DESIGNED TO PROVIDE THE SOCIAL STUDIES TEACHER WITH A WIDE VARIETY OF INSTRUCTIONAL OPTIONS. THESE ARE ORIENTED TOWARD PROVIDING NON-COLLEGE-BOUND JUNIORS OR SENIORS WITH VISUALLY STIMULATING ACTIVITY-ORIENTED INSTRUCTION ON VITAL SOCIAL ISSUES RELATING TO POPULATION CHANGE. THIS UNIT IS DIVIDED INTO THREE CHAPTERS. CHAPTER 1 IS A DESCRIPTION OF THE PROJECT DESIGN AND DEVELOPMENT. CHAPTER 2 PROVIDES A BRIEF OVERVIEW OF THE PURPOSE AND STRUCTURE OF THE UNIT ALONG WITH SUGGESTIONS FOR USING THE UNIT IN THE CLASSROOM. CHAPTER 3 CONSISTS OF THE INSTRUCTIONAL UNIT, WHICH CONTAINS A SERIES OF ACTIVITIES EACH INCLUDING A PURPOSE, LEARNING GOALS, TEACHING SCHEDULE, TEACHING AIDS, LEARNING AIDS, TEACHING PROCEDURES, STUDENT APPLICATION EXERCISES, NOTES TO THE TEACHER, AND STUDENT CONFIRMATION SHEETS. A SECTION OF STUDENT MATERIALS IS ALSO INCLUDED ALONG WITH A TEACHER IDEA GRABBAG. RESOURCE MATERIALS ARE LISTED THROUGHOUT THE INSTRUCTIONAL UNIT AND INCLUDE: FILMSTRIPS, READING MATERIAL, A VISUAL QUESTIONNAIRE, ROLE-PLAYING AND SLIDES. A SEPARATE PAMPHLET, ENTITLED "POPULATION PENDULUM," IS ALSO ATTACHED. (TK)

- ED - ED114421  
 CH - TMO04915  
 AU - ADAMS, L. LA MAR; AND OTHERS  
 TI - EVALUATION OF ONE TYPE OF NON-TRADITIONAL PROGRAM OF HIGHER EDUCATION.  
 PD - 2 APR 75  
 IS - RIE76MAR  
 PR - EDRS PRICE MF-\$0.76 HC-\$1.58 PLUS POSTAGE  
 NO - 21P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOCIATION (WASHINGTON, D.C., MARCH 30-APRIL 3, 1975)  
 DE - ACADEMIC ACHIEVEMENT; ACADEMIC FAILURE; \*COLLEGE PROGRAMS  
 DE - COLLEGE STUDENTS; \*EDUCATIONAL ALTERNATIVES  
 DE - EDUCATIONAL INNOVATION; EVALUATION METHODS; HIGHER EDUCATION  
 DE - MENTAL HEALTH; \*OUTDOOR EDUCATION; \*PROGRAM EVALUATION  
 DE - RELEVANCE (EDUCATION); \*SELF CONCEPT; STATISTICAL ANALYSIS  
 DE - STUDENT ATTITUDES; STUDENT EVALUATION  
 ID - CLASP; \*CREATIVE LEARNING APPLICATION SO  
 ID - NONTRADITIONAL EDUCATION; WILDERNESS EDUCATION PROGRAMS  
 AB - CREATIVE LEARNING THROUGH THE APPLICATION OF SOCIOLOGICAL PRINCIPLES (CLASP) IS A NONTRADITIONAL PROGRAM DESIGNED TO HELP STUDENTS DEVELOP THEIR OWN CONCEPTS, THEORIES, AND SKILLS DURING A NONSTRUCTURED SOCIOLOGY SEMESTER. THE PROGRAM CONSISTS OF SEVEN PHASES: (1) FIRST WEEK: TESTING, SIMULATING, AND PREPARATION; (2) SECOND-THIRD WEEKS: HUMAN RELATIONS AND SURVIVAL LAB IN WILDERNESS; (3) FOURTH-SEVENTH WEEKS: POST-WILDERNESS COMMUNITY PROBLEM SOLVING UPON RETURN TO CAMPUS; (4) EIGHTH WEEK: MIDTERM EVALUATION; (5) NINTH-TWELFTH WEEKS: SKILLED EXPERIENCES; (6) THIRTEENTH-FOURTEENTH WEEKS: REPORTING, SHARING, DISCUSSING, AND ANALYZING; AND (7) FIFTEENTH-SIXTEENTH WEEKS: EVALUATION AND GRADING. A GROUP OF STUDENTS WHO HAD COMPLETED TWO EVALUATION PHASES OF AN OUTDOOR SURVIVAL PROGRAM AND TWO DIFFERENT CLASP GROUPS ALL INVOLVED IN WILDERNESS EDUCATIONAL PROGRAMS, WERE EXAMINED TOGETHER WITH TWO CONTROL GROUPS. THE CONTROL GROUPS WERE A CONVENTIONAL BEGINNING CLASS IN SOCIOLOGY AND A CONVENTIONAL T-GROUP. RESULTS SIGNIFICANTLY FAVOR CLASP COMMUNITIES OVER T-GROUPS AND CONTROL GROUPS IN TERMS OF SOCIOLOGICAL CONTENT, CHANGES IN SELF CONCEPTION, AND ACADEMIC ACHIEVEMENTS. STRONG POSITIVE REACTIONS RATED THE CLASP PROGRAM AS THE BEST LEARNING EXPERIENCE IN THE STUDENTS' COLLEGE CAREER. THE PROGRAM HAS CREATED CONSIDERABLE "NOISE" IN THE TRADITIONAL ACADEMIC SYSTEM FOR NONTRADITIONAL EDUCATION. RECOMMENDATIONS ARE MADE FOR INSTITUTIONS TO ADAPT THIS SURVIVAL-TYPE PROGRAM TO THE NEEDS OF EACH COLLEGE DEPARTMENT. (AUTHOR/BJG)



ED - ED116387  
 CH - EC080768  
 TI - RESOURCE UNITS FOR INSTRUCTION IN PREPARING YOUTH FOR OCCUPATIONS  
 IN RECREATIONAL-ENVIRONMENTAL VOCATIONS. WISCONSIN V.E.A. PROJECT  
 NO. 1-2075S104.  
 PD - 72  
 IS - RIE76MAY  
 IN - MERRILL AREA PUBLIC SCHOOLS, WIS.  
 SN - WISCONSIN STATE DEPT. OF PUBLIC INSTRUCTION, MADISON.  
 PR - EDRS PRICE MF-\$0.76 HC-\$1.95 PLUS POSTAGE  
 NO - 42P.  
 DE - ENVIRONMENTAL EDUCATION; EXCEPTIONAL CHILD EDUCATION  
 DE - \*HANDICAPPED CHILDREN; \*OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 DE - PROGRAM DEVELOPMENT; RECORDS (FORMS); \*RECREATION  
 DE - SUMMER PROGRAMS; \*VOCATIONAL EDUCATION  
 ID - WISCONSIN  
 AB - DESCRIBED IN THE HANDBOOK IS THE MERRILL AREA (WISCONSIN) PUBLIC  
 SCHOOLS PROGRAM TO PREPARE HANDICAPPED YOUTH FOR OCCUPATIONS IN  
 RECREATIONAL-ENVIRONMENTAL VOCATIONS. IN PART I, A SCHOOL FOREST  
 SUMMER CURRICULUM WORKSHOP ALREADY TESTED WITH HANDICAPPED  
 CHILDREN IS OUTLINED IN TERMS OF PURPOSE AND PHILOSOPHY (TO  
 INCREASE THE SPECIAL VOCATIONAL EDUCATION OPPORTUNITIES FOR  
 HANDICAPPED YOUTH THROUGH JOB TRAINING IN THE OUTDOOR LABORATORY  
 ENVIRONMENT), 25 OBJECTIVES (SUCH AS TO UNDERSTAND AND RESPECT  
 THE NEED FOR ECOLOGICAL CONTROLS), CURRICULUM SEQUENCE, FORMAT,  
 METHODS, EVALUATION, AND RESOURCES. INCLUDED IN PART II ON  
 DEVELOPING PROGRAMS AND SERVICES FOR THE HANDICAPPED ARE BRIEF  
 SECTIONS ON THE CLASSIFICATION, INCIDENCE, AND EDUCATIONAL  
 PROVISIONS FOR MENTALLY RETARDED, HEARING IMPAIRED, SPEECH  
 IMPAIRED, VISUALLY IMPAIRED, EMOTIONALLY DISTURBED AND SOCIALLY  
 MALADJUSTED, CRIPPLED AND HEALTH IMPAIRED, AND SPECIFICALLY  
 LEARNING DISABLED CHILDREN. THE REMAINDER OF THE DOCUMENT IS  
 DEVOTED TO INFORMATION NECESSARY TO FILLING OUT SUCH FORMS AS  
 PROGRAM APPLICATIONS, VOCATIONAL EDUCATION APPLICATIONS,  
 EXPENDITURE AND TRAVEL REIMBURSEMENT REPORTS, AND ENCUMBRANCES  
 REPORTS. SAMPLE FORMS AND APPLICATIONS ARE ALSO PROVIDED. (SB)

ED - ED116883  
 CH - RC008955  
 AU - SMATHERS, KEENER M.  
 TT - OUTWARD BOUND IN THE PROFESSIONAL EDUCATION OF TEACHERS. A STUDY  
 OF AN EXPERIMENTAL COMPONENT IN FIELD EXPERIENCES.  
 PD - 75  
 IS - RIE76MAY  
 IN - NATIONAL CONFERENCE ON OUTDOOR PURSUITS IN HIGHER EDUCATION.  
 SN - DEWITT WALLACE / READER'S DIGEST FUND, PLEASANTVILLE, N.Y.  
 PR - EDRS PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE  
 AV - OFFICE OF WILDERNESS EXPERIENCES, APPALACHIAN STATE UNIVERSITY,  
 BOONE, NORTH CAROLINA 28608 (\$3.00)  
 NO - 60P.  
 DE - \*COMPARATIVE ANALYSIS; HIGHER EDUCATION; HUMANISM  
 DE - \*OUTDOOR EDUCATION; \*SELF CONCEPT; STUDENT TEACHER RELATIONSHIP  
 DE - \*STUDENT TEACHING; \*TEACHER EDUCATION  
 ID - APPALACHIAN STATE UNIVERSITY; \*OUTDOOR BOUND; STRESS EXPERIENCES  
 AB - IN AN EFFORT TO MEASURE THE IMPACT OF OUTWARD BOUND (OB)  
 EDUCATION ON TEACHER CANDIDATES, AN 18-DAY STRESS EXPERIENCE WAS  
 ARRANGED FOR 12 APPALACHIAN STATE UNIVERSITY STUDENTS AND THEN  
 COMPARED WITH THE EFFECTS OF THE NORMAL 11-WEEK STUDENT TEACHER  
 EXPERIENCES OF TWO OTHER GROUPS. THE OB GROUP UNDERWENT A SERIES  
 OF INDIVIDUAL AND GROUP WILDERNESS PROBLEMS INVOLVING  
 CROSS-COUNTRY BACK PACKING, ROCK CLIMBING, WHITE WATER RAFTING,  
 AND A THREE-DAY WILDERNESS SOLO WITHOUT FOOD. THE OB STUDENTS  
 WERE ALSO GIVEN A DIME AND ASKED TO "MAKE DO" IN ATLANTA, GEORGIA  
 FOR SEVERAL DAYS. LEARNING BY DOING AND GROUP COOPERATION WERE  
 EMPHASIZED. DURING THE REMAINING 8 WEEKS OF THE SEMESTER, THESE  
 STUDENTS TAUGHT IN A CLASSROOM. PRE- AND POST-ASSESSMENTS BY OB  
 STUDENTS OF THEIR OVERALL PROFESSIONAL EDUCATION AND THEIR  
 PERSONAL TEACHING READINESS AND PERFORMANCE WERE POSITIVE, AS  
 WERE THEIR SUMMARIZATION STATEMENTS. EVALUATIONS BY PUBLIC SCHOOL  
 CLASSES AND COLLEGE SUPERVISORS DID NOT INDICATE SIGNIFICANT  
 DIFFERENCES AMONG THE GROUPS, BUT PRE- AND POST-INVENTORIES  
 RELATIVE TO THE TOTAL CONTRIBUTION OF PROFESSIONAL EDUCATION TO  
 TEACHING READINESS SHOWED MARKED CHANGES IN FAVOR OF OB, WHILE  
 THE OTHER GROUPS' RESPONSES DID NOT VARY. SPECIFICALLY, THE OB  
 GROUP GAINED IN: (1) TEACHER SELF-CONFIDENCE; (2) STUDENT  
 INVOLVEMENT (INVOLVING STUDENTS); AND (3) HUMANISM (HUMANISTIC  
 RECEPTIVITY TO OTHERS). (JC)

ED - ED116910  
 CH - SE019468  
 TI - CAMPING SKILLS. ENVIRONMENTAL EDUCATION CURRICULUM.  
 PD - APR 73  
 IS - RIE76MAY  
 IN - TOPEKA PUBLIC SCHOOLS, KANS.  
 SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE),  
 WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.76 HC-\$1.95 PLUS POSTAGE  
 NO - 35P.; CONTAINS OCCASIONAL LIGHT TYPE  
 DE - \*CAMPING; CONSERVATION EDUCATION; CURRICULUM DEVELOPMENT; ECOLOGY  
 DE - \*EDUCABLE MENTALLY HANDICAPPED; \*ENVIRONMENTAL EDUCATION  
 DE - FIELD TRIPS; OUTDOOR EDUCATION; RECREATIONAL ACTIVITIES  
 DE - SCIENCE EDUCATION; \*SECONDARY GRADES; \*TEACHING GUIDES  
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III  
 AB - THIS UNIT ON CAMPING SKILLS IS DESIGNED FOR SPECIAL EDUCATION  
 STUDENTS AT THE HIGH SCHOOL LEVEL. THE OBJECTIVE OF THE UNIT IS  
 TO PROVIDE STUDENTS WITH AN ADEQUATE CAMPING KNOWLEDGE AND SKILL  
 DEVELOPMENT TO ALLOW THEM TO PARTICIPATE IN CAMPING ACTIVITIES.  
 THERE IS AN EMPHASIS ON MAINTAINING ENVIRONMENTAL QUALITY AS A  
 PART OF GOOD CAMPING PRACTICES. TOPICS IN THIS UNIT INCLUDE  
 REASONS FOR CAMPING, SELECTING THE CAMPING EQUIPMENT, CLOTHES FOR  
 CAMPING, SELECTING A CAMPSITE, AND THE SETTING UP AND TAKING DOWN  
 OF A TENT. EACH OF THE 10 TOPICS PROVIDES THE TEACHER AND STUDENT  
 WITH AN OVERALL OBJECTIVE AND A NUMBER OF RELATED ACTIVITIES. TO  
 FURTHER AID TEACHERS, THE APPENDIX INCLUDES INFORMATION ON  
 BUILDING A CAMPFIRE, PITCHING A TENT, AND COOKING CAMPFIRE MEALS,  
 PLUS OTHER TOPICS. DIRECTIONS FOR PLANNING THE ULTIMATE CAMPING  
 FIELD TRIP ARE GIVEN IN DETAIL FOR THE TEACHER AND OTHER ADULT  
 PARTICIPANTS. (MA)

ED - ED116913  
 CH - SE019782  
 TI - DIRECTORY OF NATURE CENTERS AND RELATED ENVIRONMENTAL EDUCATION FACILITIES. THIRD REVISION.  
 PD - JAN 75  
 IS - RIE76MAY  
 IN - NATIONAL AUDUBON SOCIETY, NEW YORK, N.Y.  
 PR - EDRS PRICE MF-\$0.76 HC-\$6.97 PLUS POSTAGE  
 AV - NATIONAL AUDUBON SOCIETY, NATURE CENTER PLANNING DIVISION, 950 THIRD AVENUE, NEW YORK, N.Y. 10022 (\$3.00)  
 NO - 130P.  
 DE - \*DIRECTORIES; EDUCATIONAL FACILITIES; \*ENVIRONMENTAL EDUCATION  
 DE - \*FACILITIES; NATURAL RESOURCES; \*NATURE CENTERS  
 DE - \*OUTDOOR EDUCATION; RECREATIONAL FACILITIES; RESOURCE CENTERS  
 ID - CANADA; UNITED STATES  
 AB - THIS DIRECTORY IS PART OF A CONTINUING EFFORT TO IDENTIFY FACILITIES ACTIVELY INVOLVED IN ENVIRONMENTAL EDUCATION. DESIGNED AS A GUIDE FOR THE CASUAL VISITOR AS WELL AS THE PROFESSIONAL PERSON, IT AIMS TO STIMULATE INTEREST IN NATURE CENTERS, IMPROVE COMMUNICATION AMONG FACILITIES, AND ENCOURAGE DEVELOPMENT OF NEW AND BETTER ONES. THIS THIRD REVISION CONTAINS A LISTING OF 558 FACILITIES, INCLUDING 41 IN CANADA. DIRECTORY ENTRIES CONSIST OF ABSTRACTED INFORMATION FROM A QUESTIONNAIRE DESIGNED BY THE NATURE PLANNING DIVISION OF THE NATIONAL AUDUBON SOCIETY. ARRANGED ALPHABETICALLY BY STATE OR PROVINCE, EACH ENTRY INCLUDES THE NAME, ADDRESS, TELEPHONE NUMBER, AND ORGANIZATION RESPONSIBLE FOR OPERATION AND MAINTENANCE. THOSE FACILITIES PRIMARILY SCHOOL-ORIENTED ARE INDICATED WITH AN ASTERISK. OTHER INFORMATION INCLUDES FACILITY SIZE, PROGRAM OFFERINGS, AVAILABILITY OF SELF-GUIDED TOURS, AND TIME THE FACILITY IS OPEN. IN ADDITION, THIS DIRECTORY PROVIDES A LIST OF FACILITIES PRIMARILY CONCERNED WITH OUTDOOR INTERPRETATION. OPERATION AND MAINTENANCE ARE BY THE FOLLOWING FEDERAL AGENCIES: BUREAU OF RECLAMATION, FOREST SERVICE, FISH AND WILDLIFE SERVICE, NATIONAL PARK SERVICE, SOIL CONSERVATION SERVICE, AND TENNESSEE VALLEY AUTHORITY. LISTED ALPHABETICALLY. ENTRIES CONTAIN THE NAME, ADDRESS, TELEPHONE NUMBER, AGENCY RESPONSIBLE FOR OPERATION, AND A BRIEF DESCRIPTION. FOR ADDITIONAL INFORMATION, INDIVIDUAL FACILITIES CAN BE CONTACTED PERSONALLY. (BP)

ED - ED118306  
 CH - RC008981  
 TI - OUTDOOR EDUCATION, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS).  
 ERIC/CRESS SUPPLEMENT NO. 5.  
 PD - MAR 76  
 IS - RIE76JUN  
 IN - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON  
 RURAL EDUCATION AND SMALL SCHOOLS.  
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$10.03 PLUS POSTAGE  
 CG - 400-75-0025.  
 AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT  
 BLVD., AUSTIN, TEXAS 78702 (STOCK NO. EC-035, \$7.00)  
 ND - 199P.; FOR RELATED DOCUMENT, SEE ED 101 907  
 DE - \*ABSTRACTS; \*CONSERVATION EDUCATION; CURRICULUM GUIDES  
 DE - EMOTIONALLY DISTURBED; \*ENVIRONMENTAL EDUCATION  
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; \*OUTDOOR EDUCATION  
 DE - PROGRAM DESCRIPTIONS; RESOURCE GUIDES; SCIENCE EDUCATION  
 DE - SUBJECT INDEX TERMS; TEACHING GUIDES  
 ID - CIJE; CURRENT INDEX JOURNALS IN EDUCATION; RESEARCH IN EDUCATION  
 ID - RIE  
 AB - A SUPPLEMENT TO 5 PREVIOUS BIBLIOGRAPHIES, THIS BIBLIOGRAPHY  
 PROVIDES ACCESS TO SOME OF THE LATEST RESOURCE MATERIAL, RESEARCH  
 FINDINGS, AND/OR DEVELOPMENTS IN OUTDOOR EDUCATION. PART I  
 CONTAINS 143 CITATIONS AND ABSTRACTS WHICH APPEARED IN "RESOURCES  
 IN EDUCATION" (RIE) FROM THE JANUARY 1975 ISSUE THROUGH THE  
 DECEMBER 1975 ISSUE. PART II INCLUDES 61 CITATIONS OF JOURNAL  
 ARTICLES WHICH APPEARED IN "CURRENT INDEX TO JOURNALS IN  
 EDUCATION" (CIJE) FROM THE JANUARY 1975 ISSUE THROUGH THE  
 DECEMBER 1975 ISSUE. IN ADDITION TO OUTDOOR EDUCATION, THE  
 CITATIONS COVER SUCH TOPICS AS CONSERVATION EDUCATION,  
 EDUCATIONAL PROGRAMS, EMOTIONALLY DISTURBED, ENVIRONMENTAL  
 EDUCATION, NATURAL RESOURCES, NATURE CENTERS, LEARNING  
 ACTIVITIES, SCIENCE EDUCATION, AND URBAN ENVIRONMENT. TYPES OF  
 MATERIALS CITED INCLUDE CURRICULUM GUIDES, RESEARCH REPORTS,  
 RESOURCE GUIDES, INSTRUCTIONAL MATERIALS, PROGRAM DESCRIPTIONS,  
 AND TEACHING GUIDES. A COMBINED RIE AND CIJE SUBJECT INDEX IS  
 PROVIDED TO ASSIST THE USER IN LOCATING CITATIONS PERTAINING TO A  
 GIVEN SUBJECT AREA WITHIN THE REALM OF OUTDOOR EDUCATION.  
 ORDERING INFORMATION IS INCLUDED. (NQ)

- ED - ED118307  
 CH - RC008982  
 AU - SKLIAR, NORMAN, ED.  
 TI - THE BEST OF "THE COMMUNICATOR", 1970-1975.  
 PD - 75  
 IS - RIE76JUN  
 IN - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, SYRACUSE.  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE  
 AV - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, BOX 26, SYRACUSE,  
 NEW YORK 13215 (\$2.00)  
 NO - 87P.; A BOOKLET OF SELECTED ARTICLES DUPLICATED FROM "THE  
 COMMUNICATOR", 1970-75  
 DE - ART; \*CONSERVATION EDUCATION; \*CURRICULUM ENRICHMENT  
 DE - \*EDUCATIONAL PHILOSOPHY; \*LEARNING ACTIVITIES  
 DE - LEARNING LABORATORIES; NATURAL RESOURCES; NATURE CENTERS  
 DE - \*OUTDOOR EDUCATION; PERIODICALS; RESIDENT CAMP PROGRAMS  
 DE - SOCIAL STUDIES; TEACHER EDUCATION; TEACHING TECHNIQUES; TRAILS  
 AB - THE NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION IS DEDICATED TO:  
 (1) THE PROFESSIONAL IMPROVEMENT OF PERSONS INTERESTED AND  
 INVOLVED IN OUTDOOR EDUCATION, AND (2) THE DEVELOPMENT OF  
 ATTITUDES, VALUES, AND BEHAVIOR NECESSARY FOR THE WISE USE OF  
 NATURAL RESOURCES. ITS MAJOR GOAL IS THE ENRICHMENT OF  
 EDUCATIONAL CURRICULUMS THROUGH THE USE OF THE OUTDOORS AS A  
 LIVING AND LEARNING LABORATORY. "THE COMMUNICATOR", THE  
 ASSOCIATION'S OFFICIAL JOURNAL, CONSISTS OF ARTICLES CONTRIBUTED  
 BY OUTSTANDING AUTHORITIES IN OUTDOOR EDUCATION. DUE TO NUMEROUS  
 REQUESTS FOR BACK ISSUES OF "THE COMMUNICATOR", THIS BOOKLET  
 PROVIDES 30 ARTICLES WHICH APPEARED IN VARIOUS ISSUES BETWEEN  
 1970 AND 1975. ADDRESSING THE ASSOCIATION'S GOALS, THE ARTICLES  
 DEAL WITH OUTDOOR EDUCATION PHILOSOPHY AND METHODOLOGY,  
 ECOLOGICAL CLASSROOMS, RESIDENT CAMPING EXPERIENCES, TEACHING  
 TIPS, AND CLASSROOM PROJECTS. AMONG THE TOPICS ARE: OUTDOOR  
 EDUCATION IN THE EDUCATIVE PROCESS, BASIC CONSIDERATIONS FOR  
 OUTDOOR EDUCATION, ENVIRONMENTAL PROGRAMS, NATURE TRAILS,  
 PROFESSIONAL PREPARATION IN OUTDOOR EDUCATION, TEACHING SOCIAL  
 STUDIES AND ART OUTDOORS, ORIENTEERING, SURVIVAL, THE OUTDOORS AS  
 A LEARNING CENTER, ECOLOGY, AND THE ENVIRONMENTAL CRISIS. (NQ)

ED - ED118336  
 CH - RC009012  
 AU - METCALFE, JOHN A.  
 TI - ADVENTURE PROGRAMMING.  
 PD - MAR 76  
 IS - RIE76JUN  
 IN - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON  
 RURAL EDUCATION AND SMALL SCHOOLS.  
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE  
 CG - NIE-C-400-75-0025  
 AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT  
 BLVD., AUSTIN, TEXAS 78702 (STOCK NO. EC-036; \$3.00)  
 NO - 56P.  
 DE - \*EDUCATIONAL OBJECTIVES; EQUIPMENT; EVALUATION NEEDS  
 DE - FACILITY REQUIREMENTS; FINANCIAL SUPPORT; FOOD; \*HIGHER EDUCATION  
 DE - HISTORICAL REVIEWS; INFORMATION SOURCES; \*OUTDOOR EDUCATION  
 DE - PLANNING; \*PROGRAM DESCRIPTIONS; \*PROGRAM DEVELOPMENT  
 ID - \*ADVENTURE EDUCATION  
 AB - SUMMARIZING THE HISTORICAL DEVELOPMENT OF ADVENTURE EDUCATION  
 CONCEPTS AND PROGRAMS, THIS PUBLICATION DESCRIBES PAST AND  
 PRESENT PROGRAMS AND PRESENTS SUGGESTIONS RELATIVE TO FUTURE  
 PROGRAMMING. SPECIFICALLY, THE FOLLOWING ARE DISCUSSED: (1)  
 INFORMAL EDUCATION PROGRAMS (OUTWARD BOUND; THE NATIONAL OUTDOOR  
 LEADERSHIP SCHOOL; AND OTHER INFORMAL PROGRAMS); (2) FORMAL  
 EDUCATION PROGRAMS (COLLEGE LEADERSHIP IN ADVENTURE  
 PROGRAMS--DARTMOUTH, BRIGHAM YOUNG, AND A LIST OF HIGHER  
 EDUCATION INSTITUTIONS CURRENTLY OFFERING ADVENTURE EDUCATION  
 PROGRAMS); (3) PROGRAM DEVELOPMENT (THE WAYS AND MEANS OF PROGRAM  
 JUSTIFICATION AND INITIATION); (4) FUNDING (QUALITY PLANNING,  
 GOVERNMENT GRANTS, AND COMMUNITY AND BUSINESS DONATIONS); (5)  
 EQUIPMENT AND FACILITIES (USED, SURPLUS, STUDENT OWNED, AND HAND  
 MADE EQUIPMENT AND EQUIPMENT COST EFFECTIVENESS, MAINTENANCE, AND  
 SAFETY); (6) FOOD (STUDENT INVOLVED DECISION MAKING AND THE  
 WEIGHT AND COST FACTORS); (7) PROGRAM PLANNING (SITE SELECTION;  
 GROUP SIZE; PROGRAM LENGTH; ECOLOGICAL CONSIDERATIONS; SAFETY;  
 STAFFING AND CERTIFICATION; HUMAN RELATIONS; TECHNICAL SKILLS;  
 STUDENT AND LEADER RESPONSIBILITIES); (8) PROGRAM EVALUATION  
 NEEDS (SCIENTIFIC VS VALUE JUDGMENT EVALUATIONS; EXEMPLARY  
 PROGRAM EVALUATIONS; BEHAVIORAL OBJECTIVES); (9) RECOMMENDATIONS  
 (STANDARDS; MONITORING; TESTING AND RESEARCH; AND INFORMATION  
 COORDINATION). (JC)

- ED - ED118339  
 CH - PC009015  
 AU - BOTT, KRISTINE ANN; BANNASCH, DONALD MAX  
 TI - DISCOVERY: GUIDELINES FOR ESTABLISHING AN OUTDOOR EDUCATION PROGRAM IN SPECIAL EDUCATION, ESEA TITLE III PROJECT.  
 PD - 75  
 IS - R1E76JUN  
 IN - MACOMB COUNTY INTERMEDIATE SCHOOL DISTRICT, MOUNT CLEMENS, MICH.  
 SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. PROJECTS TO ADVANCE CREATIVITY IN EDUCATION.  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS  
 AV - MACOMB INTERMEDIATE SCHOOL DISTRICT SPECIAL EDUCATION, 44001 GARFIELD ROAD, MT. CLEMENS, MICHIGAN 48043 (\$35.00 PER SET--NOT SOLD SEPARATELY)  
 NO - 500P.; OVERVIEW OF MATERIALS CONTAINED IN MANUAL PRESENTED VIA A SOUND FILMSTRIP WHICH CAN BE OPERATED MANUALLY, OR IF PULSED EQUIPMENT IS AVAILABLE, AUTOMATICALLY  
 DE - ACADEMIC EDUCATION; CURRICULUM GUIDES; \*DISCOVERY LEARNING  
 DE - ENVIRONMENTAL EDUCATION; EXCEPTIONAL STUDENTS; FILMSTRIPS  
 DE - \*HANDICAPPED STUDENTS; LEARNING ACTIVITIES; \*OUTDOOR EDUCATION  
 DE - \*RESIDENT CAMP PROGRAMS; \*SPECIAL EDUCATION  
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III  
 ID - \*PROJECT DISCOVERY THROUGH OUTDOO  
 AB - FUNDED THROUGH THE 1965 ELEMENTARY AND SECONDARY EDUCATION ACT (ESEA) TITLE III, THE PROJECT BEGAN SERVING YOUNGSTERS HANDICAPPED EITHER PHYSICALLY, MENTALLY, OR EMOTIONALLY, WHO QUALIFIED FOR SPECIAL EDUCATION SERVICES IN THE FALL OF 1971. AMONG ITS OBJECTIVES WERE TO: (1) IMPROVE THESE YOUNGSTERS' ACHIEVEMENT IN REGULAR SCHOOL SUBJECTS, THEIR SELF-CONCEPTS, INTERPERSONAL RELATIONSHIPS, AND LEISURE SKILL; (2) TRAIN SPECIAL EDUCATION TEACHERS TO USE THE OUTDOORS TO PROVIDE LEARNING OPPORTUNITIES TO THESE YOUNGSTERS; AND (3) TEST AN OUTDOOR EDUCATION MODEL FOR IMPROVING THE LEARNING AND LIVES OF THESE CHILDREN. THE MANUAL AND FILMSTRIPS WERE CREATED TO DISSEMINATE IDEAS WHICH WERE COLLECTED AND FOUND SUCCESSFUL DURING 3 YEARS OF OPERATION. DIVIDED INTO SECTIONS BY TABS FOR EASY REFERENCE, THE MANUAL SUGGESTS METHODS AND PROCEDURES IN THE SEQUENCE NECESSARY TO SET UP AND CARRY OUT AN OUTDOOR LABORATORY EXPERIENCE. AMONG THE TOPICS COVERED ARE: TEACHER IN-SERVICE, PREPLANNING, THE OUTDOOR LABORATORY SITE, SCHEDULES, INSURANCE, TRANSPORTATION, FIRST AID, CAMP RULES, KITCHEN DUTIES, EQUIPMENT, MATH, SCIENCE, SOCIAL STUDIES, LANGUAGE ARTS, MUSIC, PHYSICAL EDUCATION, ARTS AND CRAFTS, FIRE, HIKES AND SCAVENGER HUNTS, RAINY DAY ACTIVITIES, WINTER ACTIVITIES, EVALUATION, DISABILITY CONSIDERATIONS, PERMISSION SLIPS AND HEALTH FORMS, COUNSELORS, AND RESOURCE PEOPLE. (NQ)



ED - ED118342  
 CH - RC009019  
 AU - VITALE, JOSEPH A.  
 TI - OUTDOOR EDUCATION GUIDE-HANDBOOK, WAUKESHA PUBLIC SCHOOLS.  
 PD - SEP 75  
 IS - RIE76JUN  
 IN - WAUKESHA PUBLIC SCHOOLS, WIS.  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE  
 NO - 80P.  
 DE - \*ACTIVITIES; CAMPING; CONCEPT FORMATION; \*CURRICULUM GUIDES  
 DE - \*ELEMENTARY EDUCATION; \*FIELD TRIPS; LANGUAGE ARTS; LESSON PLANS  
 DE - MATHEMATICS; \*OUTDOOR EDUCATION; PHYSICAL EDUCATION  
 DE - SCIENCE ACTIVITIES; SENSORY TRAINING; SOCIAL STUDIES  
 ID - \*WISCONSIN (CAMP PHANTOM LAKE)  
 AB - DESIGNED BY THE WAUKESHA PUBLIC SCHOOLS (WISCONSIN) SPECIFICALLY FOR AN ELEMENTARY LEVEL THREE-DAY CAMPING TRIP AT CAMP PHANTOM LAKE, THIS OUTDOOR EDUCATION GUIDE PRESENTS SOME ACTIVITIES WHICH SUGGEST ADAPTATION. ACTIVITY DIRECTIONS, PLANS, WORKSHEETS, EVALUATION SHEETS, AND ILLUSTRATIONS ARE PRESENTED IN SEQUENTIAL ORDER FOR THE FOLLOWING DISCIPLINES WHICH, BY DESIGN, FREQUENTLY OVERLAP: (1) MATHEMATICS (ACTIVITIES INVOLVING MEASUREMENT OF HEIGHT, DISTANCE, HILLS, TRIANGLES)-; (2) SOCIAL STUDIES (ACTIVITIES INVOLVING MAP AND COMPASS SKILLS VIA USE OF A COMPASS TRAIL); (3) SCIENCE (SCIENTIFIC OBSERVATION USING A "MICRO TRAIL" APPROACH, OBSERVATION TOOLS, AND SENSORY SKILLS); (4) LANGUAGE ARTS (AN ACTIVITY PROGRESSING FROM MEDITATION TO CREATIVE WRITING AND INCLUDING DISCUSSIONS, SKETCHING, WATER COLOR PAINTING, PANTOMIMING, AND POETRY); (5) PHYSICAL EDUCATION (FRISBEE TOSS, RUN AND SUMMERSAULT RELAY, ENDURANCE RACE, FOOTBALL THROW, LEAP FROG, KICKBALL, AND TUG OF WAR). INDICATIVE OF THE VARIETY OF ACTIVITIES PRESENTED ARE: (1) A CANDLELIGHT CEREMONY DESIGNED TO OFFER STUDENTS OPPORTUNITY TO EXPRESS A "GUT" FEELING TO THE GROUP; (2) A SECTION ON WATER POLLUTION TESTING (CHEMICAL ANALYSIS, FILMSTRIP, AND QUESTIONS); (3) A GUIDE TO MAKING A "FRIENDSHIP STICK" (EMPHASIS ON SYMBOLIC SIGNIFICANCE). ALSO INCLUDED ARE A 46-ITEM AWARENESS TEST AND THE NECESSARY SCHOOL FORMS FOR SUCH AN OUTING. (JC)

- ED - ED118347  
 CH - SE013550  
 AU - SHUGRUE, SYLVIA K., COMP.; LAMBERTON, BERENICE, COMP.  
 TI - ENVIRONMENTAL EDUCATION IN THE ELEMENTARY SCHOOL. A SELECTION OF ARTICLES REPRINTED FROM SCIENCE AND CHILDREN.  
 PD - 72  
 IS - RIET6JUN  
 IN - NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - NATIONAL SCIENCE TEACHERS ASSOCIATION, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036 (STOCK NUMBER 471-14626, \$2.75; DISCOUNTS ON QUANTITY ORDERS)  
 NO - 50P.  
 DE - CONSERVATION EDUCATION; \*EARTH SCIENCE; \*ECOLOGY  
 DE - \*ELEMENTARY GRADES; \*ENVIRONMENTAL EDUCATION; FIELD TRIPS  
 DE - INSTRUCTIONAL MATERIALS; \*LEARNING ACTIVITIES; NATURAL RESOURCES  
 DE - OUTDOOR EDUCATION; SCHOOL COMMUNITY PROGRAMS  
 AB - INCLUDED IN THIS DOCUMENT ARE A SELECTION OF ARTICLES REPRINTED FROM SCIENCE AND CHILDREN. THEY FOCUS ON ENVIRONMENTAL EDUCATION IN THE ELEMENTARY SCHOOL, AND PRESENT A NUMBER OF ENVIRONMENTAL PERSPECTIVES. THOSE CONCERNING GENERAL OR BACKGROUND INFORMATION ARE: AN EXAMINATION OF ENVIRONMENTAL EDUCATION; CHILDREN'S ATTITUDES ABOUT THE ENVIRONMENT; TEACHING RESOURCES IN THE NATIONAL PARKS; AND A SCHOOL/COMMUNITY EFFORT TO PRESERVE AN URBAN ENVIRONMENTAL STUDY AREA. ECOLOGY IS TREATED THROUGH INVESTIGATIONS AT THE INDIVIDUAL LEVEL, POPULATIONS OF ONE SPECIES, COMMUNITIES, AND ECOSYSTEMS. ADAPTING TRADITIONAL ACTIVITIES TO AN ECOLOGICAL APPROACH, EMPHASIZING CONCEPTS OF INTERACTION AND CHANGE, IS SUGGESTED. EARTH SCIENCE EXPERIENCES TO INCREASE AWARENESS OF THE CHILD'S OWN AND NATURAL ENVIRONMENT CENTER ON SITE EXPERIENCES. THEY FOCUS ON ANALYZING SMALL PARTS OF A LARGER ENVIRONMENT--INVESTIGATING CHANGE, AGE, MOVEMENT, EROSION, DEPOSITION, ETC. THE FIELD TRIP IS PRESENTED UTILIZING A CONCEPTUAL APPROACH TO DEVELOP ENVIRONMENTAL RELATIONSHIPS. SUGGESTED ACTIVITIES FOR CHILDREN FOR OBSERVING THEIR TOWN AS A MAN-DOMINATED BIOTIC COMMUNITY ARE EXAMINING CONSTRUCTION, TREE IDENTIFICATION, SOIL SAMPLES, ZOO TRIPS, FOOD CHAINS, AND SUCCESSION. A CALENDAR FOR TEACHING CONSERVATION ACTIVITIES IS CONSTRUCTED. ONE ARTICLE IS DEVOTED TO THE ASSOCIATIONS BETWEEN NATURE AND CREATIVITY. REFERENCES ARE INCLUDED FOLLOWING SOME ARTICLES. (BP)

ED - ED118360  
CH - SE019784  
AU - ZUBLER, JOHN R.; HOOVER, NORMAN K.  
TI - GUIDELINES FOR PLANNING, DEVELOPING, UTILIZING AND MAINTAINING  
OUTDOOR ENVIRONMENTAL EDUCATION LABORATORIES.  
PD - 75  
IS - RIE76JUN  
IN - PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG. BUREAU OF  
VOCATIONAL, TECHNICAL, AND CONTINUING EDUCATION.  
IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF AGRICULTURE.  
PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE  
NO - 46P.; TEACHER EDUCATION RESEARCH SERIES, V16 N2 1975  
DE - EDUCATIONAL FACILITIES; \*ENVIRONMENTAL EDUCATION; \*FACILITIES  
DE - \*FACILITY GUIDELINES; GUIDELINES; NATURE CENTERS  
DE - \*OUTDOOR EDUCATION; \*PROGRAM DEVELOPMENT; RESOURCE CENTERS  
AB - THIS PUBLICATION IS DESIGNED TO PROVIDE ASSISTANCE IN THE  
ACQUISITION OF FACILITIES AND PROGRAM DEVELOPMENT IN  
ENVIRONMENTAL EDUCATION. THE DESCRIPTIVE MATERIAL IS GROUPED  
UNDER THREE HEADINGS: PLANNING THE PROGRAM, DEVELOPING THE  
FACILITY, AND UTILIZING AND MAINTAINING THE OUTDOOR LABORATORY.  
APPENDICES INCLUDE SOURCES OF ENVIRONMENTAL EDUCATION MATERIALS,  
EDUCATIONAL LABORATORIES, AND CONSERVATION ORGANIZATIONS. (BP)

ED - ED118362  
 CH - SE019840  
 AU - WISHART, A. PAUL, COMP.; CHILDRESS, RONALD, COMP.  
 TI - A DIRECTORY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENVIRONMENTAL EDUCATION PROGRAMS AND PROJECTS IN THE UNITED STATES.  
 PD - SEP 75  
 IS - RIF76JUN  
 IN - TENNESSEE UNIV., KNOXVILLE. BUREAU OF EDUCATIONAL RESEARCH AND SERVICE.  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE  
 NO - 51P.  
 DE - \*DIRECTORIES; EDUCATIONAL PROGRAMS; \*ELEMENTARY SCHOOLS  
 DE - \*ENVIRONMENTAL EDUCATION; FIELD EXPERIENCE PROGRAMS  
 DE - \*OUTDOOR EDUCATION; PROJECTS; \*SECONDARY SCHOOLS  
 AB - A SURVEY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENVIRONMENTAL PROGRAMS AND PROJECT CURRICULA WAS CONDUCTED BY THE UNIVERSITY OF TENNESSEE AT KNOXVILLE. FROM THE INFORMATION RECEIVED, THIS DIRECTORY WAS COMPILED, THE PURPOSE BEING TO FACILITATE THE ESTABLISHMENT OF A NATIONAL COMMUNICATION AND INFORMATION DELIVERY SYSTEM AMONG OPERATIONAL PROGRAMS AND PROJECTS. THE SOURCES ARE PRESENTED IN TWO SECTIONS. ONE CONTAINS THOSE PROGRAMS AND PROJECTS RESPONDING TO THE SURVEY INSTRUMENT IN THE RESEARCH STUDY. THE SECOND SECTION TREATS PROGRAMS AND PROJECTS WHICH DID NOT RESPOND TO THE SURVEY. ARRANGED ALPHABETICALLY BY STATE, EACH ENTRY PROVIDES THE DIRECTOR/CO-DIRECTOR, PROGRAM OR PROJECT, AND THE ADDRESS. APPENDED MATERIALS ARE ALSO PRESENTED IN TWO SECTIONS. THE FIRST CONTAINS AN ALPHABETICAL LISTING OF STATE EDUCATION AGENCY COORDINATORS FOR ENVIRONMENTAL EDUCATION, WHO IDENTIFIED THEIR PUBLIC SCHOOL PROGRAMS AND PROJECTS APPLICABLE TO THE STUDY POPULATION. ONLY ONE STATE AGENCY REPRESENTATIVE DID NOT RESPOND TO THE SURVEY. THE SECOND APPENDIX IS A LISTING OF ORGANIZATIONS, AGENCIES, AND PERSONS KNOWN TO BE WORKING IN THE FIELD OF ENVIRONMENTAL EDUCATION, FROM WHICH APPLICABLE STUDY PROGRAMS/PROJECTS WERE REQUESTED. MORE THAN TWO THIRDS OF THOSE CONTACTED PROVIDED RESPONSES. (BP)

ED - ED118376  
CH - SE020155  
AU - HETZEL, GEORGE K.; SMITH, DWIGHT R.  
TI - FISHING. UNIT 1, COLORADO DIVISION OF WILDLIFE.  
PD - 75  
IS - RIE76JUN  
IN - COLORADO STATE UNIV., FT. COLLINS. COOPERATIVE EXTENSION SERVICE.  
PR - DOCUMENT NOT AVAILABLE FROM EDRS  
AV - MS. BARBARA GOFF, 4-H OFFICE, AYLESWORTH HALL NW, COLORADO STATE UNIVERSITY, FORT COLLINS, COLORADO 80523 (\$0.69, PLUS SHIPPING AND HANDLING COSTS)  
NO - 26P.; FOR RELATED DOCUMENTS, SEE SE 020 154-157  
DE - \*INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; \*NATURAL RESOURCES  
DE - OUTDOOR EDUCATION; \*RECREATION; STUDENT PROJECTS  
DE - WILDLIFE MANAGEMENT  
ID - COLORADO; \*FISHING  
AB - THIS BOOKLET ON FISHING IS PART OF A SERIES DEVELOPED TO ENCOURAGE YOUTH TO PURSUE OUTDOOR PROJECTS. FISH ANATOMY, EQUIPMENT, CASTING TECHNIQUES, KNOT AND LEADER TYING, HOOKS, FISHING AREAS, CLEANING AND COOKING FISH, TYPES OF BAIT, LURES, AND REGULATIONS ARE DISCUSSED AND ILLUSTRATED. SUGGESTED ACTIVITIES AND FIELD TRIPS ARE LISTED. (MR)

ED - ED119958  
 CH - SE020000  
 TI - PATHWAYS TO THE OUTDOOR CLASSROOM.  
 PD - 75  
 IS - RIE76JUL  
 IN - MINNESOTA STATE DEPT. OF NATURAL RESOURCES, ST. PAUL. BUREAU OF INFORMATION AND EDUCATION.  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.  
 AV - MINNESOTA DEPARTMENT OF NATURAL RESOURCES, BUREAU OF INFORMATION AND EDUCATION, 350 CENTENNIAL OFFICE BUILDING, ST. PAUL, MINNESOTA 55155; ERIC/SMEAC, THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD FLOOR, COLUMBUS, OHIO 43212 (ON LOAN)  
 NO - 42P.; CONTAINS NUMEROUS COLORED PHOTOGRAPHS THAT WILL NOT REPRODUCE WELL  
 DE - CAMPUS PLANNING; \*EDUCATIONAL PARKS; \*ENVIRONMENTAL EDUCATION  
 DE - \*OUTDOOR EDUCATION; PARK DESIGN; SITE ANALYSIS; \*SITE DEVELOPMENT  
 DE - SPACE UTILIZATION; \*TRAILS  
 AB - THIS BIBLIOGRAPHY IS DESIGNED TO ASSIST EDUCATORS IN ESTABLISHING AN OUTDOOR CLASSROOM FOR ENVIRONMENTAL EDUCATION. A PROCESS IS DETAILED BY WHICH SCHOOL DISTRICTS CAN EFFECTIVELY AND EFFICIENTLY DEVELOP A SITE ON OR NEAR THE SCHOOL. THE FIRST STEP INVOLVES ORGANIZING A PLANNING COMMITTEE, ENLISTING ADMINISTRATIVE SUPPORT, AND DEVELOPING A BUDGET. IN THE SECOND STEP A SITE IS CHOSEN AND MAPPED WITH THE ASSISTANCE OF THE UNITED STATES GEOLOGICAL SURVEY, SOIL CONSERVATION SERVICE, AND THE DEPARTMENT OF NATURAL RESOURCES. THE BOOKLET LISTS LOCATIONS AND GENERAL FEATURES OF DIFFERENT ECOSYSTEMS: FORESTS, MARSH, SWAMP, BOG, WATER AREAS, MEADOW, PRAIRIE, CULTIVATED LAND, AND STATE-OWNED LAND. IN STEP THREE A COMPOSITE MAP IS DRAWN SHOWING MAJOR PHYSICAL, CULTURAL, AND NATURAL FEATURES. A CHART IS CONSTRUCTED FOR STEP FOUR MATCHING UNITS WITH STUDY LOCATIONS. THE BOOKLET ALSO INCLUDES SUGGESTIONS FOR MANAGING AND MAINTAINING THE SITE, A LIST OF AVAILABLE OUTDOOR ACTIVITIES AND AUDIO-VISUAL MATERIALS, AND A BIBLIOGRAPHY. (MR)

ED - ED119960  
 CH - SE020012  
 TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET K-3, SECOND REVISED EDITION. PRIMARY CEL BLOCKS. TEACHER'S GUIDE .  
 PD - 75  
 IS - RIE76JUL  
 IN - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.  
 SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE), WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$7.35 PLUS POSTAGE  
 NO - 135P.; FOR THE RELATED INTERMEDIATE LEARNING PACKET, SEE SE 020 013  
 DE - \*ELEMENTARY GRADES; \*ENVIRONMENTAL EDUCATION  
 DE - \*INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; OUTDOOR EDUCATION  
 DE - \*PRIMARY GRADES; SCIENCE ACTIVITIES; \*TEACHING GUIDES  
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III  
 AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS: PRIMARY AND INTERMEDIATE. THE MATERIAL IN THIS PUBLICATION ENCOMPASSES THE PRIMARY LEVEL. THE LEARNING MATERIALS ARE ACTIVITY-BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS WITH KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS ALSO INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM ART, LANGUAGE ARTS, MATHEMATICS, MUSIC, SCIENCE, AND SOCIAL STUDIES. THE ACTIVITIES IN THIS PRIMARY SET CENTER ON SENSORY AWARENESS, BASIC ECOLOGICAL CONCEPTS, AND DEVELOPING POSITIVE ATTITUDES TOWARD THE ENVIRONMENT. THE MATERIALS CONSIST OF STUDENT ACTIVITY CARDS, STUDENT INFORMATION CARDS, AND THE TEACHER'S GUIDE. EACH ACTIVITY CARD INTRODUCES THE ENVIRONMENTAL CONCEPT AND LISTS ACTIVITIES AND AN INFORMAL EVALUATION. THE CARDS ARE NON-GRADED AND NON-SEQUENTIAL. THE TEACHER'S GUIDE CONTAINS OVERALL TEACHING SUGGESTIONS AND SUGGESTIONS BY CARD. IT ALSO INCLUDES REFERENCES FOR EACH CARD AND FOUR INDEXES ON SUBJECT, SUBJECT AREA AND PROCESS SKILLS, INFORMATION CARDS, AND OUTDOOR ACTIVITIES.  
 (AUTHOR/MR)

ED - ED119961  
 CH - SE020013  
 TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET GRADES 4-6, SECOND  
 REVISED EDITION. INTERMEDIATE CEL BLOCKS. TEACHER'S GUIDE .  
 PD - 75  
 IS - RIE76JUL  
 IN - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.  
 SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE),  
 WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$8.69 PLUS POSTAGE  
 NO - 163P.; FOR THE RELATED PRIMARY LEARNING PACKET, SEE SE 020 012  
 DE - \*ELEMENTARY GRADES; \*ENVIRONMENTAL EDUCATION  
 DE - \*INSTRUCTIONAL MATERIALS; \*INTERMEDIATE GRADES  
 DE - LEARNING ACTIVITIES; OUTDOOR EDUCATION; SCIENCE ACTIVITIES  
 DE - \*TEACHING GUIDES  
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III  
 AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS:  
 PRIMARY AND INTERMEDIATE. THE MATERIAL IN THIS PUBLICATION  
 ENCOMPASSES THE INTERMEDIATE LEVEL. THE LEARNING MATERIALS ARE  
 ACTIVITY-BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS  
 WITH KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS  
 ALSO INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM ART,  
 LANGUAGE ARTS, MATHEMATICS, MUSIC, SCIENCE, AND SOCIAL STUDIES.  
 THE ACTIVITIES IN THIS INTERMEDIATE SET CENTER ON EXPLORATION OF  
 THE ENVIRONMENT, IDENTIFYING AND SOLVING ENVIRONMENTAL PROBLEMS,  
 AND DEVELOPING POSITIVE ATTITUDES TOWARD THE ENVIRONMENT. THE  
 MATERIALS CONSIST OF STUDENT ACTIVITY CARDS, STUDENT INFORMATION  
 CARDS, AND THE TEACHER'S GUIDE. EACH ACTIVITY CARD LISTS THE  
 ENVIRONMENTAL PROBLEM, SUGGESTIONS FOR INVESTIGATING THE PROBLEM,  
 AND AN INFORMAL EVALUATION. THE CARDS ARE NON-GRADED AND  
 NON-SEQUENTIAL. THE TEACHER'S GUIDE CONTAINS OVERALL TEACHING  
 SUGGESTIONS AND SUGGESTIONS BY CARD. IT ALSO INCLUDES REFERENCES  
 FOR EACH CARD AND FOUR INDEXES ON SUBJECT, SUBJECT AREA AND  
 PROCESS SKILLS, INFORMATION CARDS, AND OUTDOOR ACTIVITIES.  
 (AUTHOR/MR)



ED - ED120014  
 CH - SE020495  
 AU - TANNER, . THOMAS  
 TI - ECOLOGY, ENVIRONMENT, AND EDUCATION.  
 PD - 74  
 IS - RIE76JUL  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS  
 AV - PROFESSIONAL EDUCATORS PUBLICATIONS, INC., P. O. BOX 80728,  
 LINCOLN, NEBRASKA 68501 (ISBN 0-88224-073-0, \$1.75)  
 NO - 106P.  
 DE - CONSERVATION EDUCATION; \*ECOLOGY; ELEMENTARY SECONDARY EDUCATION  
 DE - \*ENVIRONMENT; \*ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS  
 DE - OUTDOOR EDUCATION; PHILOSOPHY; PROGRAM DESCRIPTIONS  
 DE - SCIENCE EDUCATION  
 AB - REVIEWED ARE THE PHILOSOPHY AND STATUS OF ENVIRONMENTAL EDUCATION  
 AND SOME EXAMPLES OF ENVIRONMENTAL EDUCATION PROGRAMS AND  
 MATERIALS. THE INTRODUCTION POSES PROBLEMS FACING MANKIND AND  
 DISCUSSES THE ROLE OF THE ENVIRONMENTAL EDUCATOR IN THEIR  
 SOLUTION. TWO CHAPTERS ARE DEVOTED TO DISCUSSION OF ISSUES IN  
 ENVIRONMENTAL EDUCATION. AMONG THE ISSUES DISCUSSED ARE: "THE  
 PLACE OF ENVIRONMENTAL EDUCATION IN THE SCHOOL CURRICULUM," "THE  
 SCOPE AND DEFINITION OF ENVIRONMENTAL EDUCATION," "URBAN  
 ENVIRONMENTAL EDUCATION," "COGNITIVE VERSUS AFFECTIVE DOMAINS IN  
 ENVIRONMENTAL EDUCATION," AND "ENVIRONMENTAL EDUCATION VERSUS  
 CONSERVATION EDUCATION." A CHAPTER IS DEVOTED TO DESCRIPTIONS OF  
 FUNCTIONING ENVIRONMENTAL EDUCATION PROGRAMS AND SUGGESTED  
 INSTRUCTIONAL MATERIALS WHICH ARE REVIEWED AND CRITIQUED. THE  
 FINAL CHAPTER DISCUSSES PROFESSIONAL DEVELOPMENT IN ENVIRONMENTAL  
 EDUCATION. AMONG THE TOPICS CONSIDERED IN THIS CHAPTER ARE: "A  
 TEACHER WORKSHOP IN ENVIRONMENTAL EDUCATION," "JOBS IN  
 ENVIRONMENTAL EDUCATION," "RESEARCH IN ENVIRONMENTAL EDUCATION,"  
 AND "PROFESSIONAL READING." A CONCLUSION AND SUMMARY ARE DEVOTED  
 TO THE AUTHOR'S OBSERVATIONS ON THE STATUS FUTURE OF  
 ENVIRONMENTAL EDUCATION. FOOTNOTES AND A BIBLIOGRAPHY ARE  
 INCLUDED. (RE)

- ED - ED121051  
 CH - EC082840  
 AU - SIE, MAUREEN A.; AND OTHERS  
 TI - AN EDUCATIONAL ALTERNATIVE FOR SPECIAL EDUCATION.  
 PD - APR 76  
 IS - RIE76AUG  
 IN - MACOMB COUNTY INTERMEDIATE SCHOOL DISTRICT, MOUNT CLEMENS, MICH.  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE  
 NO - 58P.; PAPER PRESENTED AT THE 1976 MEETING OF THE AMERICAN  
 EDUCATION RESEARCH ASSOCIATION (SAN FRANCISCO, CALIFORNIA,  
 SESSION 28.12)
- DE - CAMPING; ELEMENTARY SECONDARY EDUCATION  
 DE - EXCEPTIONAL CHILD EDUCATION; \*HANDICAPPED CHILDREN  
 DE - INSERVICE TEACHER EDUCATION; \*OUTDOOR EDUCATION  
 DE - \*PROGRAM DESCRIPTIONS; \*PROGRAM EVALUATION; \*TESTING  
 AB - DESCRIBED IS A 4-YEAR PROJECT WHICH PROVIDES 3-DAY OUTDOOR  
 EDUCATION EXPERIENCES FOR ORTHOPEDICALLY HANDICAPPED, TRAINABLE  
 AND EDUCABLE MENTALLY HANDICAPPED, HEARING IMPAIRED, AND  
 PHYSICALLY IMPAIRED STUDENTS FROM 3 TO 24 YEARS OF AGE. THE  
 FOLLOWING PROGRAM OBJECTIVES ARE DESCRIBED: (1) TO IMPROVE  
 ACHIEVEMENT IN REGULAR SCHOOL SUBJECTS, SELF CONCEPTS,  
 INTERPERSONAL RELATIONSHIPS, AND LEISURE SKILLS; (2) TO TRAIN  
 SPECIAL EDUCATION TEACHERS IN OUTDOOR EDUCATION SKILLS; (3) TO  
 TEST AN OUTDOOR EDUCATION MODEL WITH HANDICAPPED CHILDREN; AND  
 (4) TO EDUCATE AND INVOLVE PARENTS OF HANDICAPPED CHILDREN. THE  
 PROJECT IS REPORTED TO HAVE DEVELOPED A HANDBOOK ON OUTDOOR  
 EDUCATION DEALING WITH DAILY LIVING SKILLS, ARITHMETIC, SCIENCE,  
 SOCIAL STUDIES, LANGUAGE ARTS, MUSIC, AND PHYSICAL EDUCATION.  
 RESULTS OF PROGRAM EVALUATION AFTER THE THIRD YEAR ARE REPORTED  
 TO SHOW THE TEACHER TRAINING COMPONENT TO BE HIGHLY SUCCESSFUL,  
 THE LEARNING SESSIONS FOR THE VARIOUS HANDICAPPED GROUPS TO MEET  
 THE STATED OBJECTIVES, AND STATISTICALLY SIGNIFICANT GAINS IN  
 BASIC CONCEPTS FOR THE TRAINABLES IN THE EXPERIMENTAL GROUP.  
 APPENDED ARE AN INSTRUMENT FOR THE TEACHER WORKSHOP ON OUTDOOR  
 EDUCATION, TEACHER MADE CAMP TESTS FOR EACH EXCEPTIONALITY, AND  
 INSTRUMENTS TO EVALUATE AFFECTIVE AND PSYCHOMOTOR DOMAINS.  
 (AUTHOR/DB)

ED - ED121628  
 CH - SE020820  
 AU - DISINGER, JOHN F., ED.; BOWMAN, MARY LYNNE, ED.  
 TI - ENVIRONMENTAL EDUCATION 1975: A STATE-BY-STATE REPORT.  
 PD - DEC 75  
 IS - PIE76AUG  
 IN - ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION, COLUMBUS, OHIO.  
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$16.73 PLUS POSTAGE  
 AV - INFORMATION REFERENCE CENTER (ERIC/IRC), THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD FLOOR, COLUMBUS, OHIO 43212 (\$6.50)  
 NO - 324P.; FOR VOLUMES 1-5, SEE ED 085 262, ED 086 513-515, AND ED 087 624  
 DE - BIBLIOGRAPHIES; COLLEGE SCIENCE; \*DIRECTORIES  
 DE - \*EDUCATIONAL PROGRAMS; \*ENVIRONMENTAL EDUCATION; HUMAN RESOURCES  
 DE - INSTRUCTIONAL MATERIALS; OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS  
 DE - RESOURCE MATERIALS; SCIENCE EDUCATION; \*STATE PROGRAMS  
 AB - THIS COMPILATION DEALS WITH CURRENT PROGRAMS IN ENVIRONMENTAL EDUCATION IN ALL 50 STATES, THE DISTRICT OF COLUMBIA, AND THE TERRITORY OF GUAM. ARRANGED STATE-BY-STATE, THIS VOLUME DETAILS SUCH INFORMATION AS: STATE PLANS FOR ENVIRONMENTAL EDUCATION, ENVIRONMENTAL EDUCATION LEGISLATION, TEACHER CERTIFICATION, STATE COORDINATORS FOR ENVIRONMENTAL EDUCATION, STATE ENVIRONMENTAL EDUCATION PUBLICATIONS AND SOURCES, EXEMPLARY STATE PUBLIC SCHOOL PROGRAMS IN ENVIRONMENTAL EDUCATION, COLLEGE AND UNIVERSITY ACTIVITIES IN ENVIRONMENTAL EDUCATION, AND ACTIVITIES IN ENVIRONMENTAL EDUCATION BY RESPECTIVE STATE RESOURCES AGENCIES. THE STATE-BY-STATE REPORTS ARE PREFACED BY A BRIEF REVIEW OF THE DOCUMENT'S PREPARATION AND RECOMMENDATIONS FOR ITS APPLICATION. A LIST OF DOCUMENTS MAINTAINED IN THE ERIC COLLECTION AND PRODUCED BY STATE AGENCIES APPENDS THE DOCUMENT. THE MANUSCRIPT WAS PREPARED AND REVIEWED BY MEMBERS OF THE STATE COORDINATORS FOR ENVIRONMENTAL EDUCATION AND THE VARIOUS STATE DEPARTMENTS OF EDUCATION ALONG WITH THE NATIONAL INSTITUTE OF EDUCATION. (RE)

ED - ED121793  
 CH - SP010058  
 AU - BARRY, PATRICIA E., ED.  
 TI - IDEAS FOR SECONDARY SCHOOL PHYSICAL EDUCATION.  
 PD - 76  
 IS - RIE76AUG  
 IN - AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION,  
 WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - THE AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, AND  
 RECREATION, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036  
 NO - 102P.  
 DE - CAREER PLANNING; ENVIRONMENTAL EDUCATION  
 DE - INDIVIDUALIZED INSTRUCTION; LIFETIME SPORTS  
 DE - MOTIVATION TECHNIQUES; OUTDOOR EDUCATION; \*PHYSICAL EDUCATION  
 DE - \*PHYSICAL RECREATION PROGRAMS; \*PROGRAM DESCRIPTIONS; RECREATION  
 DE - \*SECONDARY EDUCATION  
 AB - THIS BOOK CONTAINS DESCRIPTIONS OF SECONDARY SCHOOL PHYSICAL  
 EDUCATION PROGRAMS. THE PROGRAMS DESCRIBED FALL INTO THE  
 FOLLOWING CATEGORIES: (1) CAREER/LEADERSHIP PROGRAMS, (2)  
 CONTRACT/INDIVIDUALIZED INSTRUCTION PROGRAMS, (3) ELECTIVE  
 PHYSICAL EDUCATION PROGRAMS, (4) MOTIVATIONAL PROGRAMS, (5)  
 OUTDOOR/ENVIRONMENTAL PROGRAMS, (6) RECREATIONAL/LIFETIME  
 ACTIVITIES PROGRAMS, AND (7) TEACHER AID PROGRAMS. EACH  
 DESCRIPTION CONTAINS THE NAME OF THE PERSON SUBMITTING THE  
 PROGRAM DESCRIPTION, THE NAME OF THE SCHOOL, A SUMMARY AND AN  
 OUTLINE OF THE PROGRAM, A PROGRAM DESCRIPTION, CONDITIONS  
 SPECIFIC TO THE PROGRAM, AN EVALUATION, AND SPECIFIC COMMENTS.  
 SOME OF THE PROGRAM TOPICS INCLUDE CAREERS IN PHYSICAL EDUCATION;  
 PHYSICAL EDUCATION AND RECREATION LEADERSHIP TRAINING; MODERN  
 DANCE; CYCLING; THE PHYSICAL, EMOTIONAL, AND LEGAL ASPECTS OF  
 PREGNANCY AND CHILD CARE; AND SELF DEFENSE. (RC)

ED - ED122969  
 CH - PS008624  
 AU - NICKELSBURG, JANET  
 TI - NATURE ACTIVITIES FOR EARLY CHILDHOOD.  
 PD - 76  
 IS - RIE76SEP  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.  
 AV - ADDISON-WESLEY PUBLISHING COMPANY, SAND HILL ROAD, MENLO PARK,  
 CALIFORNIA 94025 (PAPER, \$7.50)  
 NO - 158P.  
 DE - \*CURRICULUM GUIDES; \*EARLY CHILDHOOD EDUCATION  
 DE - ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS  
 DE - \*NATURAL SCIENCES; OUTDOOR EDUCATION; PERCEPTUAL DEVELOPMENT  
 DE - RESOURCE GUIDES; \*SCIENCE ACTIVITIES; \*SCIENCE INSTRUCTION  
 AB - THIS MANUAL CONTAINS 44 SEPARATE PROJECTS WHICH ARE DESIGNED TO  
 HELP TEACHERS AND PARENTS PROVIDE YOUNG CHILDREN (IN KINDERGARTEN  
 THROUGH SECOND GRADE) WITH EXPERIENCES IN OBSERVING NATURAL  
 PHENOMENA, PLANTS, AND ANIMALS. EACH PROJECT CENTERS AROUND AN  
 ACTIVITIES SECTION PREFACED WITH SCIENTIFIC INFORMATION MEANT TO  
 PROVIDE THE TEACHING ADULT WITH FURTHER BACKGROUND. LISTS OF  
 HELPFUL MATERIALS ARE INCLUDED, ALONG WITH KEY VOCABULARY WORDS  
 FOR THE CHILDREN TO LEARN. PROJECTS INCLUDE SUGGESTIONS ON WHERE  
 TO FIND THE PLANTS AND ANIMALS OBSERVED AND HOW TO CARE FOR THEM.  
 PROJECTS ARE DIVIDED INTO SIX SECTIONS INCLUDING OUTDOOR GROUP  
 PROJECTS, PROJECTS WITH SMALL ANIMALS, INDOOR PROJECTS, WATCHING  
 THINGS, LOOKING FOR THINGS IN THE GROUND, AND PROJECTS WITH  
 PLANTS. EACH SECTION ENDS WITH A BIBLIOGRAPHY FOR BOTH CHILDREN  
 AND ADULTS. THE TEXT IS ILLUSTRATED WITH PHOTOGRAPHS AND  
 DRAWINGS. (SB)

ED - ED122993  
 CH - RC009179  
 TI - OUTDOOR EDUCATION IN THE BATTLE CREEK PUBLIC SCHOOLS.  
 IS - RI76SEP  
 IN - BATTLE CREEK PUBLIC SCHOOLS, MICH.  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 NO - 11P.  
 DE - ANIMAL SCIENCE; DAY PROGRAMS; ECOLOGY; \*EDUCATIONAL PHILOSOPHY  
 DE - \*ELEMENTARY EDUCATION; \*FACILITIES; GEOGRAPHY; HORTICULTURE  
 DE - INTERDISCIPLINARY APPROACH; \*OUTDOOR EDUCATION  
 DE - \*PROGRAM DESCRIPTIONS; RESIDENTIAL PROGRAMS; SOIL SCIENCE  
 DE - YEAR ROUND SCHOOLS  
 ID - \*BATTLE CREEK PUBLIC SCHOOLS; MICHIGAN (BATTLE CREEK)  
 AB - PRESENTING A BRIEF OVERVIEW OF THE HISTORICAL DEVELOPMENT,  
 PHILOSOPHY, PROGRAMS, AND FACILITIES OF THE BATTLE CREEK PUBLIC  
 SCHOOLS' YEAR-ROUND OUTDOOR EDUCATION CENTER, THIS DOCUMENT ALSO  
 DETAILS FOUR CURRENT PROGRAMS AS FOLLOWS: (1) A 30-WEEK RESIDENT  
 OUTDOOR SCHOOL PROGRAM FOR FIFTH AND SIXTH GRADE STUDENTS; (2) A  
 25-WEEK FARM-GARDEN PROGRAM FOR THIRD AND FOURTH GRADE STUDENTS,  
 WHEREIN, WEEKLY VISITS ARE BEGUN DURING THE SCHOOL YEAR,  
 ENCOURAGED ON A VOLUNTARY BASIS DURING THE SUMMER AND PICKED UP  
 AGAIN DURING THE FALL; (3) A SEVEN-WEEK PIONEER CABIN PROGRAM FOR  
 THIRD GRADE STUDENTS, INVOLVING A SINGLE FULL DAY OF PIONEER  
 ACTIVITIES IN AND AROUND AN AUTHENTIC CABIN; (4) A FOUR-WEEK  
 BARNYARD EXPERIENCE PROGRAM FOR FIRST GRADERS, DESIGNED TO  
 COINCIDE WITH A UNIT ON FARM ANIMALS TAUGHT BY CLASSROOM TEACHERS  
 DURING THE SPRING. THE PHILOSOPHY OF THE OUTDOOR CENTER IS  
 DESCRIBED AS AN ATTEMPT TO EDUCATE CHILDREN "IN" AND "FOR" THE  
 OUT-OF-DOORS VIA AN INTERDISCIPLINARY APPROACH AND DIRECT  
 EXPERIENCE IN AREAS SUCH AS PLANT BIOLOGY, SOIL SCIENCE,  
 HORTICULTURE, ANIMAL HUSBANDRY, GEOGRAPHY, AND ECOLOGY. THE  
 OUTDOOR CENTER IS DESCRIBED AS ACCOMMODATING ABOUT 5,000 STUDENTS  
 ANNUALLY ON ITS 140 ACRE SITE VIA A PERMANENT 12-PERSON STAFF AND  
 A FULL COMPLEMENT OF BUILDINGS AND OTHER FACILITIES DESIGNED TO  
 ENHANCE THE OUTDOOR INSTRUCTIONAL PROGRAMS. (JC)

ED - ED123055  
 CH - SE020403  
 AU - REILLY, DENNIS  
 TI - CORRELATED ENRICHMENT ENVIRONMENTAL ACTIVITIES FOR THE S.A.P.A.  
 CURRICULUM KITS A THROUGH D.  
 PD - MAY 73  
 IS - RIE76SEP  
 IN - DEL MOD SYSTEM, DOVER, DEL.  
 SN - NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$7.35 PLUS POSTAGE  
 CG - NSF-6W-6703  
 AV - MR. JOHN R. REYHER, STATE SUPERVISOR OF SCIENCE AND ENVIRONMENTAL  
 EDUCATION, DEPT. OF PUBLIC INSTRUCTION, JOHN G. TOWNSEND  
 BUILDING, DOVER, DELAWARE 19901 (FREE WHILE SUPPLY LASTS)  
 NO - 139P.; OCCASIONAL MARGINAL LEGIBILITY  
 DE - \*ELEMENTARY SCHOOL SCIENCE; ENRICHMENT ACTIVITIES  
 DE - \*ENVIRONMENTAL EDUCATION; \*INSTRUCTIONAL MATERIALS  
 DE - LEARNING ACTIVITIES; OUTDOOR EDUCATION; \*PRIMARY GRADES  
 DE - \*SCIENCE ACTIVITIES  
 ID - DEL MOD SYSTEM; SAPA; SCIENCE A PROCESS APPROACH  
 AB - THESE ENVIRONMENTAL ENRICHMENT ACTIVITIES WERE WRITTEN BY  
 TEACHERS AND CONSULTANTS IN WORKSHOPS AND INSTITUTES. THE  
 ACTIVITIES ARE APPROPRIATE FOR K-3. FOR EACH LEVEL THE SEQUENCE  
 OF ORIGINAL ACTIVITIES INCLUDING THE NEW ENVIRONMENTAL ACTIVITIES  
 IS LISTED. GENERAL OBJECTIVES FOR THE LEVEL ARE GIVEN. THE  
 ENRICHMENT ACTIVITIES LIST MATERIALS, OBJECTIVES, TRIP PROCEDURES  
 AND QUESTIONS, AND AUDIOVISUAL MATERIALS. THE ACTIVITIES WERE  
 DEVELOPED FOR FIELD WORK AS PART OF OUTDOOR EDUCATION. (MR)

ED - ED124365  
 CH - RC009267  
 AU - MEYER, DAN; MEYER, DIANE  
 TI - TO KNOW BY EXPERIENCE: OUTWARD BOUND, NORTH CAROLINA.  
 PD - 73  
 IS - RI E76 OCT  
 IN - OUTWARD BOUND, MORGANTON, N.C.  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.  
 AV - NORTH CAROLINA DB SCHOOL, BOX 817, MORGANTON, NORTH CAROLINA  
 28655 (\$10.00)  
 NO - 136P.  
 DE - \*ACTIVITY LEARNING; CAMPING; \*DISCOVERY LEARNING  
 DE - EDUCATIONAL EXPERIENCE; ENRICHMENT EXPERIENCE; GROUP ACTIVITIES  
 DE - HISTORY; LEARNING EXPERIENCE; \*OUTDOOR EDUCATION  
 DE - \*PARTICIPANT SATISFACTION; PHOTOGRAPHS; \*PROGRAM ATTITUDES  
 DE - TEAMWORK  
 ID - \*NORTH CAROLINA; \*OUTWARD BOUND  
 AB - DIRECTED AT DISCOVERING ONE'S INNER RESOURCES AND THE DIGNITY OF  
 ONE'S FELLOW MAN, THE OUTWARD BOUND EXPERIENCE SEEKS TO INSTILL  
 SELF-RELIANCE, PHYSICAL FITNESS, AND COMPASSION AS FUNDAMENTAL  
 VALUES RECOGNIZING THERE ARE FEW OPPORTUNITIES TO FORMULATE SUCH  
 VALUES IN AN INCREASINGLY TECHNOLOGICAL AND URBANIZED SOCIETY.  
 FOR 3 1/2 WEEKS, PEOPLE FROM ALL WALKS OF LIFE ARE BROUGHT  
 TOGETHER TO SHARE THE CHALLENGES OF ELEMENTAL SETTINGS. UPON  
 ARRIVAL, PARTICIPANTS ARE ASSIGNED TO A SMALL CREW WITH WHOM THE  
 EXPERIENCE IS SHARED. ACTIVITIES ARE DIVIDED INTO:  
 INSTRUCTION--TO DEVELOP PHYSICAL CONDITIONING AND THE NECESSARY  
 SKILLS AND TEAMWORK TO ENABLE THE CREW TO CARRY OUT SUBSEQUENT  
 ACTIVITIES UNDER PROGRESSIVELY LESS SUPERVISION; EXPEDITION--TO  
 REFINE TECHNIQUES AND BUILD CONFIDENCE AND TRUST WITHIN THE  
 INDIVIDUALS AND IN THE CREW; SOLO--TO AFFORD EACH INDIVIDUAL A  
 CHANCE TO REFLECT AND CONSIDER THE PAST AND FUTURE; SERVICE--TO  
 EXPERIENCE THE MANIFOLD BENEFITS OF GIVING OF ONE'S SELF; AND  
 CONCLUSION--TO ALLOW THE CREW TO BECOME TOTALLY RESPONSIBLE FOR  
 SETTING GOALS, RESOLVING DIFFICULTIES, AND SAFELY CARRYING  
 THROUGH ITS PLAN. THIS BOOK GRAPHICALLY CONVEYS THE OUTWARD BOUND  
 EXPERIENCE THROUGH MORE THAN 80 PHOTOGRAPHS WITH ACCOMPANYING  
 QUOTATIONS FROM PARTICIPANTS. THE PURPOSE OF ROCK CLIMBING,  
 BACKPACKING AND WHITE WATER EXPEDITIONS, SOLO AND OTHER  
 ACTIVITIES IS DESCRIBED. A HISTORY OF HOW THE SCHOOL CAME INTO  
 BEING AS ONE OF SEVEN IN THE UNITED STATES IS PROVIDED. (NQ)



ED - ED125838  
 CH - RC009325  
 AU - PETERS, RICHARD O.  
 TI - STRATEGIES TO AFFECT STUDENT SENSORY AWARENESS OF THE ENVIRONMENT  
 IN A RURAL SCHOOLS SETTING: KINDERGARTEN THROUGH GRADE THREE.  
 PD - JUL 76  
 IS - RIE76NOV  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 NO - 15P.  
 DE - \*ACTIVITIES; CONCEPT FORMATION; EARLY CHILDHOOD EDUCATION  
 DE - ENVIRONMENTAL EDUCATION; GUIDES; \*LESSON PLANS  
 DE - MATHEMATICAL CONCEPTS; \*OUTDOOR EDUCATION; \*PRIMARY EDUCATION  
 DE - \*RURAL AREAS; SCIENCE INSTRUCTION; \*SENSORY EXPERIENCE  
 AB - PRESENTING EIGHT SAMPLE ENVIRONMENTAL EDUCATION SENSORY LESSONS  
 DESIGNED FOR K-3 STUDENTS IN RURAL AREAS, THIS GUIDE BRIEFLY  
 DETAILS THE RATIONALE AND MEANS FOR DEVELOPING PROXIMITY  
 CONGRUENCE BETWEEN STUDENTS AND LIFE SPACE PHENOMENA. FIELD  
 TRIPS, NATURE WALKS, SITE STUDIES, AND OTHER OUTDOOR ACTIVITIES  
 ARE BRIEFLY DISCUSSED. THE FORMAT OF EACH SAMPLE SENSORY LESSON  
 INCLUDES: AN ACTIVITY FOCUS; GRADE RANGE; CONCEPT; PURPOSE; AND  
 NUMEROUS SUGGESTED ACTIVITIES. THE AREAS OF FOCUS INCLUDE:  
 SENSES; SHAPE AND FORM; TREES; LIVING THINGS; LOCAL BIRDS; PLANTS  
 AND ANIMALS; EARLY SPRING FLOWERS; AND POND LIFE. EXEMPLARY  
 ACTIVITIES INCLUDE: FINDING MAN-MADE GEOMETRIC FORMS SUCH AS  
 BUILDINGS, SIGNS, FENCES, ETC. AND IDENTIFYING THEIR SHAPES;  
 ADOPTING A TREE AND STUDYING IT THROUGHOUT THE YEAR; GOING ON A  
 TREASURE HUNT TO LOOK FOR NATURAL TREASURES; MAKING A NEST,  
 FEATHER, AND BIRD PRINT COLLECTION; MAKING AN ANT FARM AND  
 CARRYING OUT RESEARCH ORIENTED ACTIVITIES; COLLECTING SNAILS AND  
 COMPARING THE BEHAVIOR OF THE CAPTIVE SNAIL WITH THAT OF THE WILD  
 SNAIL; ETC. (JC)

- ED - ED125841  
 CH - RC009329  
 AU - VAN DER SMISSEN, BETTY, COMP.  
 TI - RESEARCH CAMPING AND ENVIRONMENTAL EDUCATION. PROCEEDINGS FROM THE NATIONAL RESEARCH WORKSHOP (PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, DECEMBER 3-6, 1975). PENN STATE HPER SERIES NO. 11.  
 PD - 76  
 IS - RIET6NOV  
 IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF HEALTH AND PHYSICAL EDUCATION.  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.  
 AV - PENN STATE HPER SERIES, 275 RECREATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA-16802 (\$10.00).  
 NO - 508P.  
 DE - BEHAVIOR; BIBLIOGRAPHIES; \*CAMPING; CONFERENCE REPORTS  
 DE - EDUCATIONAL ASSESSMENT; ENRICHMENT EXPERIENCE  
 DE - \*ENVIRONMENTAL EDUCATION; ENVIRONMENTAL RESEARCH  
 DE - \*EVALUATION METHODS; EXCEPTIONAL (ATYPICAL); HUMAN RELATIONS  
 DE - LEADERSHIP STYLES; \*OUTDOOR EDUCATION; \*PROGRAM EVALUATION  
 DE - \*RESEARCH UTILIZATION; RESIDENT CAMP PROGRAMS  
 DE - RESIDENTIAL PROGRAMS; SELF CONCEPT; SOCIAL BEHAVIOR  
 AB - ATTENDED BY 250 PERSONS, THE WORKSHOP WAS DIRECTED TOWARD ASSESSING PARTICIPANT OUTCOMES OF RESIDENT OUTDOOR EXPERIENCES, EFFECTIVENESS OF CAMPING AND ENVIRONMENTAL EDUCATION PROGRAMS, AND LEADERSHIP STRATEGIES RELATED TO QUALITY OUTDOOR EXPERIENCES. ITS KEYNOTE THEME WAS "THE DYNAMICS OF RESEARCH". FOCUS WAS ON THE UTILIZATION OF RESEARCH AND THE TECHNIQUES RESEARCHERS AND PROGRAM STAFF AND ADMINISTRATORS USE IN THE EVALUATION OF CAMPING AND ENVIRONMENTAL EDUCATION RESIDENT PROGRAMS. PROGRAM FORMAT WAS DESIGNED TO FACILITATE INTERACTION BETWEEN RESEARCHERS AND PROGRAM OPERATORS FOR THE PURPOSE OF SHARING RESEARCH FINDINGS, TECHNIQUES, AND PROBLEMS. THE PROGRAM WAS ORGANIZED ACCORDING TO FIVE THEMES--ENVIRONMENTAL ACTIONS AND UNDERSTANDING, SOCIAL INTERACTIONS, ENHANCEMENT OF INDIVIDUALS, LEADERSHIP STRATEGIES, AND OPERATIONAL PROGRAMS OF EVALUATION. ORGANIZED ACCORDING TO THESE FIVE THEMES, THIS PROCEEDINGS PRESENTS 26 MANUSCRIPTS PREPARED BY THE SPEAKERS. A 330-ITEM BIBLIOGRAPHY IS INCLUDED. AUGMENTING THE REFERENCES LISTED THROUGHOUT THE PROCEEDINGS, THE CITATIONS COVER SUCH TOPICS AS ATTITUDES AND VALUES, PEER RELATIONSHIPS, CROSS-CULTURAL AND RACIAL INTEGRATION, SELF-CONCEPT, SOCIAL ADJUSTMENT, ADVENTURE ACTIVITIES, SPECIAL POPULATION AND NORMAL PEOPLE RELATIONSHIPS, EMOTIONALLY DISTURBED, MENTALLY RETARDED, AND COUNSELOR INFLUENCES UPON CAMPERS. A ROSTER OF PARTICIPANTS AND SPEAKERS IS INCLUDED. (NQ)

ED - ED125852  
CH - SE019196  
AU - WERT, JONATHAN M.  
TI - DEVELOPING ENVIRONMENTAL STUDY AREAS.  
PD - AUG 74  
IS - RIE76NOV  
IN - TENNESSEE VALLEY AUTHORITY, KNOXVILLE.  
PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
NO - 19P.  
DE - \*CURRICULUM DEVELOPMENT; CURRICULUM GUIDES  
DE - \*EDUCATIONAL RESOURCES; \*ENVIRONMENTAL EDUCATION  
DE - ENVIRONMENTAL INFLUENCES; NATURAL RESOURCES; OUTDOOR EDUCATION  
DE - \*REFERENCE MATERIALS; RESOURCE MATERIALS; \*STUDY CENTERS  
AB - THIS PUBLICATION IS DESIGNED TO HELP THE TEACHER IN DEVELOPING ENVIRONMENTAL STUDY AREAS. NUMEROUS EXAMPLES OF STUDY AREAS, INCLUDING AIRPORTS, LAKES, SHOPPING CENTERS, AND ZOOS, ARE LISTED. A CURRENT DEFINITION OF ENVIRONMENTAL STUDY AREAS IS GIVEN AND GUIDELINES FOR THEIR DEVELOPMENT AND IDENTIFICATION ARE INCLUDED. THE APPENDIX, WHICH COMPRISES MOST OF THE PAGES OF THE BOOKLET, CONTAINS AN OUTDOOR ENVIRONMENTAL STUDY AREA INVENTORY AND EVALUATION FORM, AND A SELECTED BIBLIOGRAPHY OF MATERIALS FOR PLANNING SCHOOL SITES OR OUTDOOR LABORATORIES. (MA)

ED - ED125855  
 CH - SE019199  
 AU - CRIDER, TOM, ED.  
 TI - THE STRANDS WALK.  
 PD - 72  
 IS - R1E76NOV  
 IN - NATIONAL PARK SERVICE (DEPT. OF INTERIOR), WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 AV - MUIR WOODS--POINT REYES NATURAL HISTORY ASSOCIATION, POINT REYES  
 NATIONAL SEASHORE, POINT REYES, CALIFORNIA 94956  
 NO - 18P.  
 DE - CURRICULUM DESIGN; ECOLOGY; \*EDUCATIONAL RESOURCES  
 OE - ELEMENTARY SECONDARY EDUCATION; \*ENVIRONMENTAL EDUCATION  
 DE - \*INSTRUCTIONAL MATERIALS; \*LEARNING ACTIVITIES; NATURAL RESOURCES  
 DE - \*OUTDOOR EDUCATION; SCIENCE EDUCATION  
 AB - THE STRANDS WALK IS A SIMPLE FIELD TRIP ACTIVITY DESIGNED TO  
 ACQUAINT STUDENTS WITH AN UNFAMILIAR AREA AND WITH EACH OTHER.  
 THE TEACHER'S ROLE IN THIS ACTIVITY IS TO HELP THE STUDENTS  
 EXPRESS WHAT THEY OBSERVE, EXPERIENCE, AND QUESTION. METHODS OF  
 STUDY AND CONCEPTS FOR EMPHASIS ARE INCLUDED IN THIS PUBLICATION.  
 A MAJOR PORTION OF THE BOOKLET IS DEVOTED TO THE STUDENT TASK  
 FORMS. EACH TASK IS BASED ON ONE OF THE STRANDS CONCEPTS OF THE  
 NATIONAL PARK SERVICE'S ENVIRONMENTAL EDUCATION PROGRAM: VARIETY  
 AND SIMILARITY; PATTERNS; INTERACTION AND INTERDEPENDENCE;  
 CONTINUITY AND CHANGE; AND EVOLUTION AND ADAPTATION. THREE  
 ADDITIONAL TASKS CONCERN PROBLEM FOCUS. IN A FINAL SECTION TO THE  
 TEACHER, THERE ARE BEHAVIOR OBJECTIVES ASSOCIATED WITH THE  
 ACTIVITY AND AN ILLUSTRATION OF THE DATA-THEORY CYCLE. (MA)

ED - ED125856  
 CH - SE019200  
 AU - PETERS, RICHARD  
 TI - HOW TO TAKE THE CLASSROOM OUT INTO THE ENVIRONMENT: A RESOURCE GUIDE.  
 PD - 75  
 IS - RIE76NOV  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 NO - 26P.  
 DE - DIRECTORIES; EDUCATIONAL RESOURCES  
 DE - \*ELEMENTARY SECONDARY EDUCATION; \*ENVIRONMENTAL EDUCATION  
 DE - INSTRUCTIONAL MATERIALS; NATURAL RESOURCES; \*OUTDOOR EDUCATION  
 DE - REFERENCE MATERIALS; \*RESOURCE GUIDES; RESOURCE MATERIALS  
 DE - \*SCIENCE EDUCATION  
 AB - THE PURPOSE OF THIS RESOURCE GUIDE IS TO INTRODUCE TEACHERS TO A VARIETY OF INSTRUCTIONAL STRATEGIES AND THEN RELATE THESE EXPERIENCES TO BOTH NATURAL AND SOCIAL ENVIRONMENTAL PHENOMENA AND SETTINGS. IT IS DIVIDED INTO SIX MAJOR PARTS. THE FIRST IS CONCERNED WITH DEVELOPING STUDENT AWARENESS OF THE OUTDOORS THROUGH A NUMBER OF METHODS, INCLUDING GUEST SPEAKERS AND CLASSROOM PROJECTS. THE SECOND PART GIVES THE TEACHER GUIDELINES FOR RELATING THE CLASSROOM TO THE OUTDOORS. THE FOLLOWING SECTIONS ARE CONCERNED WITH THE LISTINGS OF NUMEROUS RESOURCES: INSTRUCTIONAL MATERIALS AND RESOURCES, ENVIRONMENTAL EDUCATION TEACHER TRAINING PROGRAMS, AND RELATED TELEVISION SERIES. THESE FOUR PARTS COMPRISE OVER HALF OF THE GUIDE. (AUTHOR/MA)

ED - ED125868  
 CH - SE020232  
 AU - WHEATLEY, JOHN H.; COON, HERBERT L.  
 TI - TEACHING ACTIVITIES IN ENVIRONMENTAL EDUCATION. VOLUME III - 1975.  
 PD - 75  
 IS - RIE76NOV  
 IN - ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION, COLUMBUS, OHIO.  
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.  
 PR - EDRS PRICE MF-\$0.83 HC-\$10.03 PLUS POSTAGE.  
 AV - OHIO STATE UNIVERSITY, CENTER FOR SCIENCE AND MATHEMATICS EDUCATION, 244 ARPS HALL, COLUMBUS, OHIO 43210 (\$4.00)  
 NO - 195P.; FOR VOLUMES I AND II OF THIS SERIES, SEE ED 091 172 AND ED 102 031  
 DE - CONSERVATION EDUCATION; \*ELEMENTARY SECONDARY EDUCATION  
 DE - \*ENVIRONMENTAL EDUCATION; \*INSTRUCTIONAL MATERIALS  
 DE - INTERDISCIPLINARY APPROACH; \*LEARNING ACTIVITIES  
 DE - NATURAL RESOURCES; OUTDOOR EDUCATION; \*SCIENCE EDUCATION  
 DE - TEACHING GUIDES  
 AB - THIS VOLUME IS THE THIRD IN A SERIES OF LEARNING ACTIVITIES DESIGNED TO SUPPLEMENT A K-12 CURRICULUM. THE ACTIVITIES ARE INTERDISCIPLINARY IN NATURE AND INCLUDE TOPICS IN SCIENCE, MATHEMATICS, SOCIAL STUDIES, LANGUAGE ARTS, AND FINE ARTS. BESIDES A DIVISION OF ACTIVITIES ACCORDING TO GRADE AND SUBJECT MATTER, THEY ARE ALSO GROUPED BY ENVIRONMENTAL CONCEPTS THAT INCLUDE THE BIOPHYSICAL, SOCIOCULTURAL, MANAGEMENT, AND CHANGE; AND BY PROBLEM AREAS THAT CONCERN AESTHETICS, HEALTH, GENETICS, ECO-COMMUNITY RELATIONSHIPS, AND PSYCHOLOGICAL AND BEHAVIORAL CONSIDERATIONS. EACH ACTIVITY INCLUDES A REFERENCE TO THE ENVIRONMENTAL EDUCATION PROGRAM FROM WHICH IT WAS TAKEN, AS WELL AS A STATED PURPOSE AND A METHODS SECTION. (MA)

- ED - ED125882  
 CH - SE020429  
 AU - MELVIN, RUTH W.  
 TI - A GUIDE TO OHIO OUTDOOR EDUCATION AREAS. SECOND EDITION.  
 PD - 75  
 IS - RIE76NOV  
 IN - OHIO ACADEMY OF SCIENCE, COLUMBUS.  
 IN - OHIO STATE DEPT. OF NATURAL RESOURCES, COLUMBUS.  
 PR - EDRS PRICE MF-\$0.83 HC-\$12.71 PLUS POSTAGE.  
 AV - OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF NATURAL AREAS  
 AND PRESERVES, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224 (\$5.00)  
 NO - 238P.; CONTAINS COLOR-CODED MAPS; COLORED PHOTOGRAPHS MAY NOT  
 REPRODUCE WELL; FOR FIRST EDITION OF THIS PUBLICATION, SEE ED 073  
 945  
 DE - \*DIRECTORIES; \*ENVIRONMENTAL EDUCATION; FIELD TRIPS; GUIDES  
 DE - \*INDEXES (LOCATORS); NATURAL RESOURCES; NATURE CENTERS  
 DE - \*OUTDOOR EDUCATION; \*SCIENCE EDUCATION; STUDY FACILITIES  
 ID - \*OHIO  
 AB - TO THIS NEW AND UPDATED SECOND EDITION, OVER 160 NEW SITES AND  
 THEIR DESCRIPTION HAVE BEEN ADDED. THE FIRST MAJOR SECTION,  
 OUTDOOR EDUCATION AREAS, INCLUDES STATE PARKS, FORESTS, AND  
 WILDLIFE AREAS; HISTORIC SITES AND MEMORIALS; WAYNE NATIONAL  
 FOREST; METROPOLITAN COUNTY AND CITY PARKS; AGENCY AND PRIVATE  
 CAMPS; CONSERVATION AGENCY PROPERTIES; CONSERVANCY DISTRICT LANDS  
 AND RESERVOIRS; SCHOOL LAND LABORATORIES; AND PRIVATE  
 CONSERVATION FARMS AND CAMP GROUNDS. THE SECOND SECTION IS  
 DEVOTED TO SELECTED STATE, NATURE CONSERVANCY, UNIVERSITY, AND  
 PRIVATE NATURE PRESERVES. IN BOTH SECTIONS, EACH OUTDOOR AREA  
 SUMMARY IS ARRANGED ALPHABETICALLY ACCORDING TO COUNTY AND  
 INCLUDES SIZE AND LOCATION, CORRECT NAME, A SHORT DESCRIPTION,  
 AND THE ADDRESS OF THE PERSON TO CONTACT FOR ITS USE. ADDITIONAL  
 INFORMATION CONCERNING SUITABILITY FOR CAMPING IS GIVEN IN CHART  
 FORM IN THE THIRD SECTION. SEVEN COLOR MAPS DESCRIBING OHIO  
 GEOLOGY, GLACIAL DEPOSITS, SOIL REGIONS, SURFACE WATER,  
 GROUNDWATER, ORIGINAL VEGETATION, AND MAJOR FOREST TYPES FOLLOW.  
 ALSO INCLUDED ARE A SELECTED BIBLIOGRAPHY, AND INDEX OF SITES,  
 AND DIRECTIONS FOR USING THIS PUBLICATION. (MA)

ED - EJ140065  
 CH - SE516651  
 AU - KNAPP, CLIFFORD E.  
 TI - OPEN SPACE LEARNING ACTIVITIES  
 PD - APR 76  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 7; 10-12  
 DE - \*ENVIRONMENTAL EDUCATION; \*LAND USE; \*OUTDOOR EDUCATION  
 DE - \*SCIENCE ACTIVITIES; ELEMENTARY SECONDARY EDUCATION  
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; SCIENCE EDUCATION  
 DE - SOIL CONSERVATION  
 AB - DESCRIBES A SCIENCE ACTIVITY IN WHICH STUDENTS ARE GIVEN AN OPPORTUNITY TO CONSIDER THE VALUES OF OPEN SPACE. THE PROGRAM INCLUDES DIRECT INVOLVEMENT AS COMMUNICATORS OF FEELINGS AND FACTS, LEADING STUDENTS TO A POSITION OF MAKING WISE DECISIONS FOR LAND USE IN THE FUTURE. (EB)

ED - EJ140064  
 CH - SE516650  
 AU - MCCOLLUM, DANIEL  
 TI - LITTER STUDY: A SCHOOL RESEARCH PROJECT  
 PD - APR 76  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 7; 7-8  
 DE - \*ENVIRONMENTAL EDUCATION; \*ENVIRONMENTAL INFLUENCES  
 DE - \*SCIENCE ACTIVITIES; \*SCIENCE PROJECTS; \*WASTES  
 DE - CONSERVATION EDUCATION; OUTDOOR EDUCATION; SCIENCE EDUCATION  
 DE - SECONDARY EDUCATION; SECONDARY SCHOOL SCIENCE  
 AB - DESCRIBES A PROJECT DONE TO VERIFY OR DISPUTE THE BREAKDOWN IN LITTER CONTENT PROPOSED BY KEEP AMERICA BEAUTIFUL, INC. (KAB). DECISIONS MADE RELATING TO QUANTITY OF MATERIALS, AREA TO BE STUDIED, AND A COMPLETE DESCRIPTION OF THE PROJECT ARE GIVEN. (EB)



- ED - ED126638  
 CH - EC090526  
 AU - ENOS, DONALD F.  
 TI - MEETING CHILDREN'S NEEDS: A FIELD CENTERED CURRICULUM FOR  
 MAINSTREAMING.  
 PD - APR 76  
 IS - RIE76DEC  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 NO - 21P.; PAPER PRESENTED AT THE ANNUAL INTERNATIONAL CONVENTION, THE  
 COUNCIL FOR EXCEPTIONAL CHILDREN (54TH, CHICAGO, ILLINOIS, APRIL  
 4-9, 1976)  
 DE - \*CURRICULUM EVALUATION; DEMONSTRATION PROJECTS  
 DE - EXCEPTIONAL CHILD EDUCATION; \*FIELD TRIPS; \*GIFTED  
 DE - \*HANDICAPPED CHILDREN; \*MODELS; OUTDOOR EDUCATION  
 DE - PROGRAM EFFECTIVENESS; \*REGULAR CLASS PLACEMENT  
 DE - SECONDARY EDUCATION  
 AB - EVALUATED WERE THE EFFECTS OF A CURRICULUM MODEL COMBINING  
 MAINSTREAMING AND FIELD-CENTERED EDUCATIONAL EXPERIENCES ON 201  
 HANDICAPPED, NORMAL, OR GIFTED HIGH SCHOOL STUDENTS (13-17 YEARS  
 OLD). THE MODEL, STUDIED OVER A 4-YEAR PERIOD. WAS BASED ON THE  
 IMPORTANCE OF RELATING CLASSROOM ACTIVITIES TO THE REALITY OF  
 SOCIETY AND THE ADVANTAGES OF COMBINING FIELD-CENTERED EDUCATION  
 WITH MAINSTREAMING. THE SS INCLUDED EMOTIONALLY HANDICAPPED,  
 MENTALLY RETARDED, LEGALLY BLIND, NORMAL, TALENTED, AND GIFTED  
 STUDENTS FROM WELFARE TO HIGH MIDDLE CLASS INCOME FAMILIES; AND  
 REPRESENTED BLACK, CHICANO, ASIAN, WHITE, AND NATIVE AMERICAN  
 ETHNIC GROUPS. THE PROGRAM INCLUDED A 6-TO 8-WEEK INSTRUCTIONAL  
 PHASE FOLLOWED BY A 2-TO 3-WEEK FIELD TRIP TO SELECTED  
 LOCALITIES. PRE-AND POSTASSESSMENTS WERE ADMINISTERED TO THE SS  
 EACH YEAR, AND IN 1974 AND 1975 WERE COMPARED TO CONTROL GROUPS.  
 RESULTS SUGGESTED THAT INCREASED PERFORMANCE IN THE COGNITIVE,  
 AFFECTIVE, AND PSYCHOMOTOR DOMAINS WAS RELATED TO USE OF THE  
 FIELD-CENTERED MODEL. (ALSO INCLUDED ARE A DESCRIPTION OF THE  
 CURRICULUM MODEL, ASSESSMENT RESULTS IN TABULATED FORM, AND  
 SELECTED QUOTATIONS AND DRAWINGS BY STUDENTS.) (IM)

ED - ED127073  
 CH - RC009351  
 TI - THE MOHONK CONFERENCE ON OUTDOOR EDUCATION FOR NEW YORK CITY. A REPORT OF THE CITYWIDE CONFERENCE ON OUTDOOR EDUCATION, ENVIRONMENTAL EDUCATION, SCHOOL CAMPING (MOHONK MOUNTAIN CONFERENCE CENTER, NEW PALTZ, NEW YORK, OCTOBER 30, 31, NOVEMBER 1, 1974).

PD - 74  
 IS - RIE76DEC  
 IN - NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 NO - 34P.  
 DE - \*CAMPING; CONFERENCE REPORTS; CURRICULUM DEVELOPMENT  
 DE - EDUCATIONAL FACILITIES; EDUCATIONAL FINANCE  
 DE - \*ENVIRONMENTAL EDUCATION; INTERAGENCY COORDINATION  
 DE - \*OUTDOOR EDUCATION; PROFESSIONAL TRAINING  
 DE - \*PROGRAM ADMINISTRATION; \*PROGRAM PLANNING  
 DE - SCHOOL COMMUNITY COOPERATION; TEACHER EDUCATION  
 ID - \*NEW YORK (NEW YORK)  
 AB - THE CONFERENCE WAS ATTENDED BY MORE THAN 50 OUTDOOR/ENVIRONMENTAL EDUCATORS FROM THE NEW YORK CITY SCHOOL SYSTEM AND REPRESENTATIVES FROM CITY AND STATE AGENCIES AND THE PRIVATE SECTOR. FOCUS WAS ON HOW TO MAKE OUTDOOR/ENVIRONMENTAL PROGRAMS AVAILABLE TO ALL CHILDREN IN THE NEW YORK CITY SCHOOLS. THE BULK OF THE CONFERENCE WAS DEVOTED TO THE DELIBERATIONS OF SIX WORKING TASK FORCES. THESE TASK FORCES DEALT WITH CURRICULUM DEVELOPMENT, TEACHER TRAINING, FACILITIES, FUNDING, INTERAGENCY AND COMMUNITY-BASED PROGRAMS, AND ADMINISTRATION. THIS REPORT, DERIVED FROM GENERAL-SESSION PROCEEDINGS AND THE REPORTS OF THE SIX TASK FORCES, PRESENTS THE PARTICIPANTS' RECOMMENDATIONS. AMONG THESE ARE THAT: A PERMANENT STEERING COMMITTEE ON OUTDOOR/ENVIRONMENTAL EDUCATION, REPRESENTATIVE OF ALL INTERESTED AGENCIES, SHOULD BE ESTABLISHED; ENVIRONMENTAL CONCEPTS SHOULD BE INTEGRATED INTO THE CURRICULUM IN AS MANY OF THE MORE TRADITIONAL SUBJECT AREAS; SCHOOL-YARDS MIGHT BE UTILIZED AS "CAMPSITES" WITH SCHOOL SHOWERS, TOILETS, AND LOCKER ROOMS LEFT OPEN FOR SUPERVISED USE BY OVERNIGHT CAMPERS; AND A CENTRAL CLEARINGHOUSE ON OUTDOOR/ENVIRONMENTAL EDUCATION SHOULD BE CREATED. (NQ)

ED - ED127102  
 CH - RC009401  
 AU - LOWENSTEIN, DANIEL H.  
 TI - WILDERNESS ADVENTURE PROGRAMS: AN ACTIVITY PROFILE.  
 PD - NOV 75  
 IS - RIE76DEC  
 IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF HUMAN  
 DEVELOPMENT.  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE.  
 NO - 92P.  
 DE - ACTIVITIES; DEFINITIONS; EQUIPMENT; FACILITIES  
 DE - FUTURES (OF SOCIETY); \*HISTORY; LEGAL RESPONSIBILITY  
 DE - \*OUTDOOR EDUCATION; PARTICIPANT CHARACTERISTICS; PLANNING  
 DE - PROBLEMS; \*PROGRAM DESCRIPTIONS; \*PROGRAM DEVELOPMENT; RESEARCH  
 DE - \*RESOURCES; SITE SELECTION; SOCIOECONOMIC INFLUENCES  
 ID - \*ADVENTURE EDUCATION; \*WILDERNESS ADVENTURE PROGRAMS  
 AB - FOCUSING UPON THE ADVENTURE ASPECT OF WILDERNESS PROGRAMS, THIS  
 PAPER PRESENTS A PROFILE OF THOSE PROGRAM ACTIVITIES WHICH CREATE  
 A NUMBER OF CHALLENGES AND OFTEN STRESSFUL SITUATIONS AS THE  
 MEANS OF ATTAINING SPECIFIED GOALS AND WHICH CAN BEST BE  
 INCORPORATED UNDER THE TERM "WILDERNESS ADVENTURE PROGRAM" (WAP).  
 PROVIDING INFORMATION OF INTEREST TO PERSONS CONCERNED WITH WAP  
 HISTORY, PLANNING, AND/OR APPLICATION, THIS PAPER PRESENTS THE  
 FOLLOWING CHAPTERS: (1) INTRODUCTION (TYPOLOGY); (2) ACTIVITY  
 DESCRIPTION (HISTORY; FUNCTIONS; ACTIONS; KNOWLEDGE; EQUIPMENT;  
 TEMPORAL CONSIDERATIONS; FORMALIZED CONTROL; COST; AND  
 INSTRUCTION); (3) PARTICIPANTS AND NON-PARTICIPANTS (POPULARITY  
 AND EXTENSIVENESS; PARTICIPANT CHARACTERIZATION; PARTICIPANT  
 GROUPS; AND MEANING OF PARTICIPATION); (4) DEMAND AND CONSUMPTION  
 FACTORS (CAUSAL SOCIOECONOMIC FACTORS; CHRISTY'S ELEMENTS; AND  
 FUTURE OF WAPS); (5) ASSOCIATED RESOURCES (NATURAL ENVIRONMENT;  
 AREAS, SITES, AND FACILITIES; COMPATABILITY; SUPPLIERS); (6)  
 LEGAL ASPECTS (LEGISLATIVE ASPECTS; ADMINISTRATIVE ASPECTS; AND  
 JUDICIAL ASPECTS); (7) PROBLEMS AND ISSUES (OVERVIEW; CRITICISM;  
 RESEARCH RELATED TO WAPS; WAPS AS AN EDUCATIONAL TOOL, A  
 THERAPEUTIC TOOL, AND A UNIQUE RECREATIONAL EXPERIENCE; AND  
 CONCLUSION). APPENDICES PROVIDE INFORMATION RE: BASES; EXEMPLARY  
 PROGRAMS; EQUIPMENT; SUPPLIERS' ADDRESSES; AND RESEARCH RELATED  
 TO STANDARD COURSES. (JC)

- ED - ED127111  
 CH - SE020408  
 TI - CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS, VOL. 1:  
 CURRICULUM OUTLINE AND ACTIVITIES GUIDE.  
 PD - 76  
 IS - RIE76DEC  
 IN - KALAMAZOO NATURE CENTER, INC., MICH.  
 SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.  
 CG - OEG-0-74-7390  
 AV - ERIC/SMEAN, THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD  
 FLOOR, COLUMBUS, OHIO 43212 (ON LOAN).  
 NO - 377P.; FOR VOLUME TWO, SEE SE020409  
 DE - CONSERVATION EDUCATION; \*CURRICULUM GUIDES  
 DE - \*ENVIRONMENTAL EDUCATION; \*INSTRUCTIONAL MATERIALS  
 DE - INTERDISCIPLINARY APPROACH; \*LEARNING ACTIVITIES  
 DE - NATURAL RESOURCES; OUTDOOR EDUCATION; SCIENCE EDUCATION  
 DE - \*SECONDARY EDUCATION  
 AB - THIS PUBLICATION IS THE FIRST VOLUME OF CURRICULUM RESOURCES  
 PUBLISHED BY THE KALAMAZOO NATURE CENTER. IT CONTAINS DIRECTIONS  
 FOR USING THE CURRICULUM ACTIVITIES GUIDE AND SUGGESTS WAYS OF  
 IMPLEMENTING THE ACTIVITIES IN THE CLASSROOM. ALSO INCLUDED IS AN  
 OUTLINE OF THE MATERIAL THAT COULD BE COVERED IN AN ENVIRONMENTAL  
 EDUCATION PROGRAM, WITH APPROPRIATE ACTIVITIES. THE BULK OF THE  
 PUBLICATION IS DEVOTED TO OVER 300 PAGES OF LEARNING ACTIVITIES  
 SUITABLE FOR SECONDARY SCHOOL STUDENTS. EACH ACTIVITY PROVIDES A  
 SHORT INTRODUCTION, A LISTING OF MATERIALS NEEDED, THE PROCEDURE,  
 SOME DISCUSSION QUESTIONS, AND A BIBLIOGRAPHY. TOPICS COVERED BY  
 THE ACTIVITIES INCLUDE LAND USE, NATURAL RESOURCES ALLOCATION AND  
 DEPLETION, ENERGY USE AND CONSERVATION. INDEXES AT THE END OF THE  
 GUIDE CLASSIFY ACTIVITIES ACCORDING TO STUDY TOPICS, SUBJECT  
 TEACHING AREAS, GRADE LEVELS, ACTIVITY TITLES, AND ACTIVITY  
 NUMBERS. (MA)

**PART II: CITATIONS FROM**  
**CURRENT INDEX TO JOURNALS IN EDUCATION**

## SAMPLE CURRENT INDEX TO JOURNALS OF EDUCATION

ED EJ128183  
CH SE514346  
AU ASCH, JOSEPH: SHORE, BRUCE M.  
TI CONSERVATION BEHAVIOR AS THE OUTCOME OF ENVIRONMENTAL EDUCATION  
PD 75  
IS CIJE76  
SO JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 25-33  
DE \*AFFECTIVE BEHAVIOR; \*CONSERVATION EDUCATION  
DE \*ENVIRONMENTAL EDUCATION; \*EVALUATION METHODS; \*OUTDOOR EDUCATION  
DE CONSERVATION (ENVIRONMENT); ECOLOGY; NATURAL RESOURCES  
DE PROGRAM EVALUATION; RESEARCH  
ID QUEBEC (MONTREAL)  
AB IN THIS STUDY, TWO GROUPS OF STUDENTS WERE ASKED TO PERFORM A  
NUMBER OF TASKS THAT REQUIRED SOME CONSERVATION KNOWLEDGE.  
EVALUATION OF THE TASKS WAS DONE BY OUTSIDE INDIVIDUALS IN AN  
OUTDOOR CENTER. RESULTS INDICATED THAT THE GROUP TRAINED IN  
ENVIRONMENTAL CONSERVATION WERE LESS DESTRUCTIVE AND MORE  
CONSERVATIONAL IN BEHAVIOR. (MA)

## KEY TO ABSTRACT

- ED ERIC Accession Number - identification number sequentially assigned to documents as they are processed
- CH Clearinghouse accession number
- AU Author(s)
- TI Title
- PD Date published
- IS Issue of CIJE
- SO Source
- DE Descriptors
- ID Identifiers - additional identifying terms not found in the Thesaurus of ERIC Descriptors.
- AB Informative abstract
- ( ) Abstractor's initials always placed at end of abstract

ED - EJ123144  
 CH - RC501906  
 AU - PETZOLDT, PAUL  
 TI - ADVENTURE EDUCATION AND THE NATIONAL OUTDOOR LEADERSHIP SCHOOL  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 3-7  
 DE - \*CONSERVATION (ENVIRONMENT); \*HIGHER EDUCATION  
 DE - \*LEADERSHIP TRAINING; \*OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 DE - ENVIRONMENTAL EDUCATION; EDUCATIONAL PHILOSOPHY  
 ID - NATIONAL OUTDOOR LEADERSHIP SCHOOL

ED - EJ123145  
 CH - RC501907  
 AU - WADE, DOUGLAS E.  
 TI - SOME ETHICAL AND RELATED CONSIDERATIONS OF ADVENTURE PROGRAMS  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 8-11  
 DE - \*CONSERVATION (ENVIRONMENT); \*ETHICAL INSTRUCTION; \*ECOLOGY  
 DE - \*OUTDOOR EDUCATION; \*PRESERVATION; LAND USE



ED - EJ123146  
 CH - RC501908  
 AU - VAN DER SMISSEN, BETTY  
 TI - LEGAL ASPECTS OF ADVENTURE ACTIVITIES  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 12-15  
 DE - \*LEGAL RESPONSIBILITY; \*OUTDOOR EDUCATION; \*PHYSICAL ACTIVITIES  
 DE - \*SUPERVISION; \*STANDARDS; CONDUCT; SAFETY EQUIPMENT  
 ID - ADVENTURE ACTIVITIES

ED - EJ123147  
 CH - RC501909  
 TI - EXCERPTS FROM A PANEL DISCUSSION ON IMPLEMENTING ADVENTURE  
 EDUCATION PROGRAMS IN PUBLIC SCHOOLS  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 15-19  
 DE - \*ELEMENTARY SECONDARY EDUCATION; \*OUTDOOR EDUCATION  
 DE - \*PUBLIC SCHOOLS; \*PROGRAM DEVELOPMENT; COMMUNITY RESOURCES  
 DE - EQUIPMENT; SPEECHES  
 ID - \*ADVENTURE EDUCATION

ED - EJ123148  
 CH - RC501910  
 AU - TYLER, RON  
 TI - THE IMPACT OF A BRITISH PROGRAM ON THE DEVELOPMENT OF THE  
 WILLOWBROOK HIGH SCHOOL OUTDOOR CLUB  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 20-22  
 DE - \*CLUBS; \*COCURRICULAR ACTIVITIES; \*HIGH SCHOOLS  
 DE - \*OUTDOOR EDUCATION; \*PROGRAM DEVELOPMENT  
 DE - INTERDISCIPLINARY APPROACH; PROGRAM DESCRIPTIONS  
 DE - SECONDARY EDUCATION  
 ID - ILLINOIS

ED - FJ123149  
 CH - RC501911  
 AU - LITTLE, CHARLES  
 TI - DEVELOPING A HIGH SCHOOL ADVENTURE PROGRAM: PERSISTANCE AND  
 INNOVATION  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 22-5  
 DE - \*COCURRICULAR ACTIVITIES; \*HIGH SCHOOLS; \*OUTDOOR EDUCATION  
 DE - \*PROGRAM DEVELOPMENT; \*PROBLEMS; ACTIVITY LEARNING  
 DE - ADMINISTRATIVE POLICY; CLUBS; FINANCIAL SUPPORT  
 ID - ILLINOIS

ED - EJ123316  
 CH - SE514304  
 AU - KELLER, M.  
 TI - BIOLOGY POOL  
 PD - APR 75  
 IS - CIJE76  
 SO - SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 751; 9-10  
 DE - \*EDUCATIONAL FACILITIES; \*INSTRUCTIONAL AIDS; \*OUTDOOR EDUCATION  
 DE - \*SCIENCE PROJECTS; \*SCIENCE FACILITIES; BIOLOGY  
 DE - SECONDARY EDUCATION; SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE  
 DE - SWIMMING POOLS  
 AB - DESCRIBES THE CONVERSION OF AN OLD SWIMMING POOL ON THE SCHOOL  
 GROUNDS INTO A BIOLOGY POOL FOR THE CREATION OF A POND COMMUNITY  
 WHICH BECAME BOTH A USEFUL TEACHING RESOURCE AND AN ATTRACTIVE  
 PART OF THE SCHOOL ENVIRONMENT. (BR)

ED - EJ126391  
 CH - PS504337  
 AU - BURNISON, MARY  
 TI - THE FARM  
 PD - JUL-AUG 75  
 IS - CIJE76  
 SO - CHILDREN TODAY; 4; 4; 26-28  
 DE - \*ELEMENTARY SECONDARY EDUCATION; \*DISADVANTAGED YOUTH  
 DE - \*FARM VISITS; \*DAY CAMP PROGRAMS; SUMMER PROGRAMS; PLAY  
 DE - OUTDOOR EDUCATION; VOLUNTEERS; PROGRAM DESCRIPTIONS  
 DE - EMOTIONAL EXPERIENCE  
 ID - \*NATURE STUDY  
 AB - DESCRIBES THE EXPERIENCES PROVIDED FOR DISADVANTAGED CHILDREN  
 AGED 4-14 YEARS THROUGH AN ENRICHMENT PROGRAM, BEGUN IN 1973,  
 WHICH AIMS TO FOSTER FEELINGS OF CLOSENESS AND LOVE IN A RURAL  
 SETTING. GROUPS OF 20 CHILDREN ARE BUSED TO A FARM EACH DAY FOR  
 TWO ONE-WEEK PERIODS DURING THE SUMMER. (ED)

ED - EJ126425  
 CH - SE513112  
 AU - HOWIE, THOMAS RICHARD  
 TI - INDOOR OR OUTDOOR ENVIRONMENTAL EDUCATION?  
 PD - 74  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 2; 32-36  
 DE - \*COGNITIVE MEASUREMENT; \*ENVIRONMENTAL EDUCATION  
 DE - \*EDUCATIONAL METHODS; \*OUTDOOR EDUCATION; \*STATISTICAL ANALYSIS  
 DE - CONCEPT TEACHING; CONSERVATION EDUCATION; ECOLOGY  
 DE - PROGRAM EVALUATION; STATISTICAL STUDIES  
 ID - MARYLAND (PRINCE GEORGES COUNTY)  
 AB - IN THIS ARTICLE, THE EFFECTIVENESS OF FIELD EXPERIENCE VERSUS CLASSROOM EXPERIENCE WAS STATISTICALLY COMPARED IN COGNITIVE LEARNING. RESULTS INDICATED THE NEED FOR A PROGRAM CONSISTING OF FOUR PHASES INVOLVING TEACHER INSERVICE TRAINING, CLASSROOM DEVELOPMENT OF ADVANCED ORGANIZATION, OUTDOOR EXPERIENCE, AND CLASSROOM FOLLOW-UP WITH FURTHER APPLICATION AND CONCEPTUALIZATION. (AUTHOR/MA)

ED - EJ126428  
 CH - SE513115  
 AU - MATTHEWS, JEAN  
 TI - ENVIRONMENTAL EDUCATION AND COMMUNITY ACTION  
 PD - 74  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 2; 45-49  
 DE - \*COMMUNITY ACTION; \*ENVIRONMENTAL EDUCATION; \*SPEECHES  
 DE - CITIZEN PARTICIPATION; EVALUATION; FEDERAL PROGRAMS  
 DE - OUTDOOR EDUCATION; PLANNING  
 AB - IN THIS ARTICLE, ADOPTED FROM A SPEECH GIVEN IN CALIFORNIA, THE AUTHOR TRACES THE EVOLUTION OF ENVIRONMENTAL EDUCATION AND CITES NUMEROUS EXAMPLES OF THE NEED FOR ENVIRONMENTAL CONCERN. ALONG WITH THIS, MS. MATTHEWS POINTS OUT THE WEAKNESSES OF PAST ENVIRONMENTAL EDUCATION PROGRAMS AND THE MEANS TO IMPROVE EXISTING ONES. (MA)

ED - EJ126650  
 CH - SE514631  
 AU - RUSSELL, HELEN ROSS  
 TI - COORDINATING SCIENCE AND OTHER SUBJECTS  
 PD - 75  
 IS - CIJE76  
 SO - NATURE STUDY; 29; 1; 11-12  
 DE - \*ENVIRONMENTAL EDUCATION; \*INTERDISCIPLINARY APPROACH  
 DE - \*SCIENCE EDUCATION; \*SCIENCE PROJECTS  
 DE - ELEMENTARY SECONDARY EDUCATION; INTEGRATED CURRICULUM  
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION  
 DE - SCIENCE ACTIVITIES  
 AB - THIS ARTICLE PRESENTS EXAMPLES OF SCIENCE UNITS WHICH HAVE BECOME SUCCESSFUL MULTIDISCIPLINARY PROJECTS. INCLUDED ARE A PROTECT YOUR ENVIRONMENT CAMPAIGN AND HUNGER DAY. PRE- AND IN-SERVICE COURSES, FILE OF REFERENCES, AND RESOURCE PEOPLE ARE SUGGESTED AS BEING HELPFUL IN STRUCTURING INTERDISCIPLINARY ACTIVITIES. IDEAS AND SOURCES FOR PROJECTS ARE MENTIONED. (BP)

ED - EJ126653  
 CH - SE514635  
 AU - COGGINS, JOHN H.  
 TI - BIRD POPULATION STUDIES FOR SUBURBAN STUDENTS  
 PD - SEP 75  
 IS - CIJE76  
 SO - AMERICAN BIOLOGY TEACHER; 37; 6; 344-345,349  
 GE - \*ECOLOGY; \*FIELD STUDIES; \*SCIENCE ACTIVITIES; COLLEGE SCIENCE  
 DE - HIGHER EDUCATION; OUTDOOR EDUCATION; SCIENCE EDUCATION  
 ID - \*ORNITHOLOGY; BIRD BANDING  
 AB - DESCRIBES A BIRD-STUDY AND BANDING ACTIVITY DESIGNED FOR STUDENTS IN URBAN AND SUBURBAN AREAS. (PEB)

ED - EJ127159  
 CH - AA521581  
 AU - DAWSON, PAUL DOW; BURKS, TIMOTHY  
 TI - THE OUTING CLUB: SCIENCE WITHOUT WALLS  
 PD - OCT 75  
 IS - CIJE76  
 SO - INDEPENDENT SCHOOL BULLETIN; 35; 1; 56-8  
 DE - \*PRIVATE SCHOOLS; \*OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 DE - \*STUDENT EXPERIENCE; \*EDUCATIONAL OBJECTIVES; CAMPING  
 DE - STUDENT DEVELOPMENT; STUDENT IMPROVEMENT  
 DE - STUDENT TEACHER RELATIONSHIP  
 AB - IN AN ATTEMPT TO GIVE STUDENTS AN OPPORTUNITY TO STRENGTHEN  
 SKILLS THAT WILL MAKE THEM EFFECTIVE GROUP MEMBERS, AUTHORS  
 DEVELOPED A PROGRAM, "THE DOHERTY SCHOOL OUTING CLUB", THAT  
 STRESSES GROUP DYNAMICS IN AN OUTDOOR SETTING. (AUTHOR/RK)

ED - EJ127212  
 CH - AA521643  
 AU - POTTS, VERNON R.; KNOWLTON, JAMES  
 TI - WHERE IT'S HAPPENING: OUTDOOR PROGRAM EASES RACIAL TENSION  
 PD - OCT 75  
 IS - CIJE76  
 SO - NASSP BULLETIN; 59; 393; 108-10  
 DE - \*OUTDOOR EDUCATION; \*RACIAL ATTITUDES; \*STUDENT ATTITUDES  
 DE - \*PROGRAM DESCRIPTIONS; \*STUDENT INTERESTS; EDUCATIONAL OBJECTIVES  
 AB - ARTICLE DESCRIBED A PROGRAM, PROJECT BACSTOP (BETTER ACQUISITION  
 OF COGNITIVE SKILLS THROUGH OUTDOOR PROGRAMING), WHICH ATTEMPTED  
 TO REDUCE RACIAL INTERACTION AND DEVELOP COGNITIVE GROWTH THROUGH  
 USE OF LEARNING IN THE WILDERNESS. (AUTHOR/RK)

ED - EJ127238  
 CH - AA521676  
 AU - STANIX, EDWARD  
 TI - THE CEMETERY: AN OUTDOOR CLASSROOM  
 PD - OCT 75  
 IS - CIJE76  
 SO - TEACHER; 93; 2; 66-7  
 DE - \*ELEMENTARY SCHOOL STUDENTS; \*OUTDOOR EDUCATION  
 DE - \*EDUCATIONAL ENVIRONMENT; \*LEARNING PROCESSES  
 DE - \*STUDENT DEVELOPMENT  
 AB - STUDENTS DISCOVERED THAT THE CEMETERY CAN BE AN OUTDOOR CLASSROOM  
 RICH IN ACTION-ORIENTED EXPERIENCES AND LEARNING ACTIVITIES.  
 (AUTHOR/R

ED - EJ128178  
 CH - SE514341  
 AU - CLARK, EDWARD  
 TI - GOOD EDUCATION IS ENVIRONMENTAL  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 1-5  
 DE - \*ENVIRONMENTAL EDUCATION; \*OUTDOOR EDUCATION; \*PROGRAM EVALUATION  
 DE - \*SCIENCE EDUCATION; \*TEACHER EDUCATION; EFFECTIVE TEACHING  
 DE - TEACHER PARTICIPATION  
 AB - WORKING WITH TEACHERS AND ADMINISTRATORS, THE AUTHOR HAS  
 IDENTIFIED TWO MAJOR PROBLEMS ASSOCIATED WITH THE IMPLEMENTATION  
 OF ENVIRONMENTAL EDUCATION PROGRAMS IN THE SCHOOLS. BOTH LACK OF  
 EDUCATION AND MOTIVATION WERE CITED BY THE AUTHOR AND SUGGESTIONS  
 TO BETTER INFORM AND EDUCATE TEACHERS TO THE PHILOSOPHY OF  
 ENVIRONMENTAL EDUCATION WERE INCLUDED. (MA)

ED - EJ128183  
 CH - SE514246  
 AU - ASCH, JOSEPH; SHORE, BRUCE M.  
 TI - CONSERVATION BEHAVIOR AS THE OUTCOME OF ENVIRONMENTAL EDUCATION  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 25-33  
 DE - \*AFFECTIVE BEHAVIOR; \*CONSERVATION EDUCATION  
 DE - \*ENVIRONMENTAL EDUCATION; \*EVALUATION METHODS; \*OUTDOOR EDUCATION  
 DE - CONSERVATION (ENVIRONMENT); ECOLOGY; NATURAL RESOURCES  
 DE - PROGRAM EVALUATION; RESEARCH  
 ID - QUEBEC (MONTREAL)  
 AB - IN THIS STUDY, TWO GROUPS OF STUDENTS WERE ASKED TO PERFORM A NUMBER OF TASKS THAT REQUIRED SOME CONSERVATION KNOWLEDGE. EVALUATION OF THE TASKS WAS DONE BY OUTSIDE INDIVIDUALS AT AN OUTDOOR CENTER. RESULTS INDICATED THAT THE GROUP TRAINED IN ENVIRONMENTAL CONSERVATION WERE LESS DESTRUCTIVE AND MORE CONSERVATIONAL IN BEHAVIOR. (MA)

ED - EJ128184  
 CH - SE514347  
 AU - BEECHEL, JACQUE  
 TI - INTERPRETATION FOR HANDICAPPED PERSONS  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 34-44  
 DE - \*ENVIRONMENTAL EDUCATION; \*HANDICAPPED; \*INTERPRETIVE SKILLS  
 DE - \*MENTAL RETARDATION; \*OUTDOOR EDUCATION; BLIND; DEAF; DEAF BLIND  
 DE - PHYSICALLY HANDICAPPED; VISUALLY HANDICAPPED  
 AB - RECENT TRENDS IN INTERPRETIVE WORK EMPHASIZE VISITOR INVOLVEMENT RATHER THAN MATERIAL PRESENTATION. NEW CONSIDERATIONS ARE BEING GIVEN TO INVOLVING PERSONS HANDICAPPED PHYSICALLY OR MENTALLY. THIS ARTICLE IS CONCERNED WITH THE TYPES OF HANDICAPS MOST FREQUENTLY ENCOUNTERED AND THE MEANS TO FACILITATE THE INVOLVEMENT OF THOSE PERSONS IN AN INTERPRETIVE PROGRAM. (MA)



ED - EJ128187  
 CH - SE514350  
 AU - DONALDSON, GEORGE W.; SCHMIDT, DONNA  
 TI - AN INVESTIGATION INTO THE DESIRABLE ECO-EDUCATION SITE  
 PD - 75  
 IS - CIJE76  
 SD - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 58-62  
 DE - \*CONSERVATION EDUCATION; \*ENVIRONMENTAL EDUCATION  
 DE - \*FACILITY REQUIREMENTS; \*LAND USE; \*OUTDOOR EDUCATION  
 DE - NATURAL RESOURCES; RECREATIONAL FACILITIES; SCIENCE EDUCATION  
 DE - SURVEYS  
 AB - THIS STUDY WAS DESIGNED TO DETERMINE SCIENTIFICALLY THE CHARACTERISTICS WHICH ARE DESIRABLE IN A SITE TO BE USED FOR ECO-EDUCATIONAL PURPOSES. AN OPINIONNAIRE WAS DEVISED AND SENT OUT TO LEADERS IN OUTDOOR EDUCATION. FINDINGS INDICATED NO ESSENTIAL CHARACTERISTICS FOR SUCH AN ECO-EDUCATIONAL SITE. (AUTHOR/MA)

ED - EJ128323  
 CH - SE515002  
 AU - MAINONE, ROBERT F.  
 TI - ADOPT A STREAM  
 PD - OCT 75  
 IS - CIJE76  
 SD - SCIENCE AND CHILDREN; 13; 2; 21-22  
 DE - \*ENVIRONMENTAL EDUCATION; \*OUTDOOR EDUCATION  
 DE - CONSERVATION EDUCATION; ENVIRONMENT  
 DE - ELEMENTARY SECONDARY EDUCATION; FIELD STUDIES; SCIENCE ACTIVITIES  
 DE - SCIENCE EDUCATION; TRAILS  
 AB - DESCRIBES ON-SITE ACTIVITIES DESIGNED TO HELP STUDENTS LEARN HOW NATURAL SYSTEMS WORK. (PB)

ED - EJ128325  
 CH - SE515004  
 AU - GRIFFIN, NANCY C.  
 TI - ECOLOGICAL STUDIES IN THE MIDDLE SCHOOL? YES  
 PD - OCT 75  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 2; 24-26  
 DE - \*ENVIRONMENTAL EDUCATION; \*LEARNING ACTIVITIES  
 DE - \*OUTDOOR EDUCATION; COURSE DESCRIPTIONS; ECOLOGY  
 DE - JUNIOR HIGH SCHOOL STUDENTS; SCIENCE ACTIVITIES  
 DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION  
 AB - DESCRIBED IS AN ENVIRONMENTAL STUDIES UNIT WHICH FORMS PART OF  
 INTERRELATED EXPLORATIONS IN SCIENCE, INCLUDING ECOLOGY, BALANCES  
 OF NATURE AND INTERRELATIONS OF ORGANISMS. SOME OF THE ACTIVITIES  
 AND MAJOR TOPICS OF THE UNIT ARE GIVEN. (EB)

ED - EJ128330  
 CH - SE515009  
 AU - MCINTYRE, MARGARET  
 TI - TAKING AN INSECT VIEW  
 PD - OCT 75  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 2; 41-42  
 DE - \*DISCOVERY LEARNING; \*EARLY CHILDHOOD EDUCATION  
 DE - \*LEARNING ACTIVITIES; ECOLOGY; ENVIRONMENTAL EDUCATION  
 DE - OUTDOOR EDUCATION; SCIENCES; SCIENCE EDUCATION  
 AB - DISCUSSES METHODS FOR INTRODUCING YOUNG CHILDREN TO THE STUDY OF  
 ECOLOGY. (PB)

EO - EJ128328  
 CH - SE515007  
 AU - GROVES, DAVID L.  
 TI - COOPERATION IN REVEGETATING STRIP-MINED AREAS  
 PO - OCT 75  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 2; 32-33  
 DE - \*CONSERVATION EDUCATION; \*FORESTRY; \*OUTDOOR EDUCATION  
 DE - \*SOIL CONSERVATION; ELEMENTARY SECONDARY EDUCATION  
 DE - ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; SCIENCE EDUCATION  
 ID - STRIP MINING  
 AB - PRESENTED IS A DESCRIPTION OF A PROGRAM DEVELOPED WHICH PROVIDED STUDENTS, FORESTRY AGENCIES, MINE OPERATORS AND INDIVIDUAL INSTRUCTORS AN OPPORTUNITY TO EXCHANGE IDEAS, TO LEARN MORE ABOUT STRIP MINING, AND TO SURVEY THE KINDS OF CONSERVATION EDUCATION PROGRAMS NEEDED IN THE SCHOOLS. (EB)

ED - EJ130275  
 CH - SO504288  
 AU - JACOBSON, MICHAEL; PALONSKY, STUART  
 TI - SCHOOL CAMPING AND ELEMENTARY SOCIAL STUDIES  
 PD - JAN 76  
 IS - CIJE76  
 SO - SOCIAL EDUCATION; 40; 1; 44-6  
 DE - \*CAMPING; \*OUTDOOR EDUCATION; \*COURSE DESCRIPTIONS  
 DE - \*SOCIAL STUDIES; \*TEACHING TECHNIQUES; ELEMENTARY EDUCATION  
 AB - SOCIAL STUDIES ACTIVITIES FOR AN ELEMENTARY SCHOOL CAMPING TRIP ARE DESCRIBED. (DE)

ED - EJ133190  
 CH - RC502038  
 AU - KNAPP, CLIFFORD  
 TI - OUTDOOR ENVIRONMENTAL VALUES CLARIFICATION  
 PD - F-W 75  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 1; 9-11  
 DE - \*ENVIRONMENTAL CRITERIA; \*ENVIRONMENTAL EDUCATION  
 DE - \*OUTDOOR EDUCATION; \*STUDENT ATTITUDES; \*VALUES; BIBLIOGRAPHIES  
 AB - SIXTEEN STRATEGIES FOR OUTDOOR ENVIRONMENTAL VALUES CLARIFICATION  
 ARE LISTED. A 22-ITEM SELECTED BIBLIOGRAPHY IS ALSO INCLUDED. (NQ)

ED - EJ133191  
 CH - RC502039  
 AU - DUNFORD, ELIZABETH  
 TI - THE MAKING OF A THING OF BEAUTY  
 PD - F-W 75  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 1; 14-18  
 DE - \*CLASS ACTIVITIES; \*HANDICRAFTS; \*LEARNING ACTIVITIES  
 DE - \*NATURAL RESOURCES; \*OUTDOOR EDUCATION; ART ACTIVITIES  
 DE - CURRICULUM ENRICHMENT; CULTURAL ACTIVITIES; GRADE 4  
 DE - STUDENT PROJECTS  
 AB - THE ARTICLE DESCRIBES A CLASS PROJECT WHICH INVOLVED DYEING YARN  
 FROM THINGS OF NATURE AND USING THE YARN TO CREATE A DESIGN ON  
 BURLAP. (NQ)

ED - EJ133192  
 CH - RC502040  
 AU - ROOT, SANDAL W.  
 TI - ON THE TRAIL OF FOREST ECOLOGY  
 PD - F-W 75  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 1; 20-2  
 DE - \*ECOLOGY; \*ENVIRONMENTAL EDUCATION; \*ELEMENTARY SCHOOL STUDENTS  
 DE - \*NATURAL RESOURCES; \*TRAILS; CONSERVATION (ENVIRONMENT)  
 DE - OUTDOOR EDUCATION  
 IO - ENVIRONMENTAL STUDY TRAIL  
 AB - THE ARTICLE DISCUSSES AN ENVIRONMENTAL STUDY TRAIL, AN ORGANIZED  
 CONCEPT-BUILDING APPROACH TO LEARNING, WHICH IS FLEXIBLE ENOUGH  
 TO BE ADAPTED TO VARIOUS OUTDOOR SETTINGS. (NQ)

ED - EJ133196  
 CH - RC502044  
 AU - HERMAN, HERBERT  
 TI - A WINTER DREAM OF SUMMER WONDERS  
 PD - F-W 75  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 1; 42-4  
 DE - \*EDUCATIONAL ALTERNATIVES; \*EXTENDED SCHOOL YEAR  
 DE - \*INTERDISCIPLINARY APPROACH; \*OUTDOOR EDUCATION  
 DE - \*PROGRAM DESCRIPTIONS; CAMPING; MATHEMATICS INSTRUCTION  
 DE - READING INSTRUCTION; SUMMER PROGRAMS  
 AB - THE EXTENDED SCHOOL PROGRAM CONSISTS OF 3 PHASES: 1) A REMEDIAL  
 READING AND MATHEMATICS PROGRAM IN SCHOOL; 2) AN EXCURSION  
 PROGRAM IN THE METROPOLITAN AREA; AND 3) A SUMMER CAMP PROGRAM TO  
 OVERCOME THE "SUMMER LAG". (AUTHOR)

ED - EJ133197  
 CH - RC502045  
 TI - THE MYSTERY OF ANIMAL TRACKING  
 PD - F-W 75  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 1; 45-8  
 DE - \*ANIMAL BEHAVIOR; \*CLASSIFICATION; \*OUTDOOR EDUCATION; \*TRACKING  
 AB - A SIMPLE ANIMAL TRACK GUIDE IS GIVEN TO HELP STUDENTS AND  
 TEACHERS RECOGNIZE SOME OF THE COMMON ANIMAL TRACKS FOUND IN MANY  
 PARTS OF THE COUNTRY. THE TRACKS ARE DIVIDED INTO 3 BASIC  
 CATEGORIES: 1) FLATFOOTS, 2) TOE-WALKERS, AND 3) TOE-NAIL  
 WALKERS. (NQ)

ED - EJ133198  
 CH - RC502046  
 AU - JOSLIN, ROBERT O.  
 TI - SCHOOL SITE ANALYSIS--AN INVENTORY OF RESOURCES  
 PD - F-W 75  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 1; 49-50  
 DE - \*FACILITY INVENTORY; \*OUTDOOR EDUCATION; \*RESOURCES  
 DE - \*SCHOOL LOCATION; \*SITE ANALYSIS; ENVIRONMENTAL INFLUENCES  
 DE - INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES

ED - EJ133216  
 CH - SE515440  
 AU - GALINDEZ, PETER  
 TI - HOPPERNAUTS: A SPACE-AGE LABORATORY  
 PD - NOV/DEC 75  
 IS - CIJE76  
 SO - SCIENCE ACTIVITIES; 12; 6; 8-11  
 DE - \*BIOLOGY; \*INTERDISCIPLINARY APPROACH; \*SCIENCE ACTIVITIES  
 DE - \*SPACE SCIENCES; \*UNITS OF STUDY (SUBJECT FIELDS); INSTRUCTION  
 DE - OUTDOOR EDUCATION; SCIENCE EDUCATION; SECONDARY EDUCATION  
 DE - SECONDARY SCHOOL SCIENCE  
 AB - DESCRIBES A LIVELY INVESTIGATION TO INTERRELATE BIOLOGY, MATH,  
 PHYSICS, AND CHEMISTRY WITH OUR NATIONS SPACE PROGRAM. SUGGESTED  
 FOR USE WITH TENTH GRADE BIOLOGY STUDENTS WHEN DEALING WITH  
 TOPICS RELEVANT TO ANIMAL STRESS REACTIONS. REFERENCES ARE CITED.  
 (EB)

ED - EJ133221  
 CH - SE515445  
 AU - WACKER, DAVID G.  
 TI - WATER STUDIES ON A LIMITED BUDGET? ASK A FISHERMAN  
 PD - NOV/DEC 75  
 IS - CIJE76  
 SO - SCIENCE ACTIVITIES; 12; 6; 26-28  
 DE - \*INSTRUCTION; \*LABORATORY EQUIPMENT; \*OUTDOOR EDUCATION  
 DE - \*SCIENCE ACTIVITIES; \*SCIENCE EQUIPMENT; EQUIPMENT  
 DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION  
 AB - DESCRIBES THE USE OF PIECES OF EQUIPMENT SUCH AS THE OXYGEN  
 TEMPERATURE PROBE (OTB) COMMONLY USED BY FISHERMAN, FOR RESEARCH  
 FIELD TRIPS. THE INSTRUMENT CAN BE USED IN CLASSROOM EXPERIMENTS  
 AS WELL. OTHER EQUIPMENT DESCRIBED INCLUDES THE ELECTRONIC  
 THERMOMETER AND OXYGEN MONITOR. (EB)

ED - EJ133342  
 CH - SE515739  
 TI - THE 1976 OUTING PROGRAM  
 PD - JAN 76  
 IS - CIJE76  
 SO - SIERRA CLUB BULLETIN; 61; 1; 4-6I  
 DE - \*CAMPING; \*FIELD TRIPS; \*INSTRUCTIONAL TRIPS; \*OUTDOOR EDUCATION  
 DE - \*RESIDENT CAMP PROGRAMS; BULLETINS; ENVIRONMENTAL EDUCATION  
 DE - RECREATIONAL ACTIVITIES; SUMMER PROGRAMS; VACATION PROGRAMS  
 ID - \*SIERRA CLUB  
 AB - THIS ISSUE PRESENTS A SUMMARY OF THE 1976 SIERRA CLUB OUTINGS.  
 BRIEF DESCRIPTIONS ARE GIVEN OF EACH OUTING INCLUDING THE DATES,  
 COSTS, DEPOSITS, AND LEADERS. THE OUTINGS OFFERED INCLUDE  
 KNAPSACK TRIPS, SKI TOURING, UNDERWATER EXPLORATION, FOREIGN  
 TRIPS, BICYCLE TRIPS, AND BURRO TRIPS. (MR)

ED - EJ133406  
 CH - SE515803  
 AU - HURLEY, KEVIN  
 TI - THE SEEDS OF REVOLUTION  
 PD - JAN 76  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 4; 13-15  
 DE - \*AGRICULTURE; \*ELEMENTARY SCHOOL SCIENCE  
 DE - \*ENVIRONMENTAL EDUCATION; \*INSTRUCTION; \*URBAN EDUCATION  
 DE - ELEMENTARY EDUCATION; OUTDOOR EDUCATION; PLANTING  
 DE - SCIENCE ACTIVITIES; SCIENCE EDUCATION  
 AB - DESCRIBES AN INNER-CITY PROJECT WHICH UTILIZES A SKIT, GROUP  
 STUDY, AND AUDIOVISUAL AIDS AND TEXTBOOKS TO TEACH GARDENING TO  
 ELEMENTARY STUDENTS. (LS)



ED - EJ133414  
 CH - SE515811  
 AU - WOHLBERG, MARGARET  
 TI - SCIENCE AT THE LOS ALAMOS RANCH SCHOOL  
 PD - JAN 76  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 4; 41-42  
 DE - CURRICULUM DEVELOPMENT; \*INSTRUCTION; \*OUTDOOR EDUCATION  
 DE - \*PROGRAM DESCRIPTIONS; \*SECONDARY SCHOOL SCIENCE  
 DE - ENVIRONMENTAL EDUCATION; INTERDISCIPLINARY APPROACH  
 DE - SCIENCE EDUCATION; SECONDARY EDUCATION  
 AB - DESCRIBES A SCIENCE CURRICULUM EMPHASIZING OUTDOOR EDUCATION THAT WAS IN EXISTENCE AT THE LOS ALAMOS RANCH SCHOOL FROM 1918 UNTIL 1943. (LS)

FD - EJ133556  
 CH - SE516035  
 AU - RILLO, THOMAS J.  
 TI - EXPLORING WATER POLLUTION, PART 3  
 PD - JAN/FEB 76  
 IS - CIJE76  
 SO - SCIENCE ACTIVITIES; 13; 1; 26-34  
 DE - \*ELEMENTARY SCHOOL SCIENCE; \*INSTRUCTIONAL MATERIALS  
 DE - \*OUTDOOR EDUCATION; \*SCIENCE ACTIVITIES; \*WATER RESOURCES  
 DE - ELEMENTARY EDUCATION; EARTH SCIENCE; FIELD TRIPS; POLLUTION  
 DE - SCIENCE EDUCATION  
 AB - LISTS OVER 30 OUTDOOR SCIENCE ACTIVITIES DEALING WITH WATER FORMATION, EROSION, POLLUTION, AND OTHER WATER-RELATED TOPICS. PROVIDES, IN ADDITION, A SELECTED BIBLIOGRAPHY OF FILMS, TAPES, BOOKLETS AND PAMPHLETS, AND FILMSTRIPS AS ADDITIONAL REFERENCE MATERIALS. (CP)

ED - EJ136637  
 CH - SE515326  
 AU - SKINNER, RAY, JR.  
 TI - ENVIRONMENTAL EDUCATION ROAD RALLIES  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 1; 21-26  
 DE - \*ENVIRONMENTAL EDUCATION; \*ECOLOGY; \*FIELD TRIPS; \*INSTRUCTION  
 DE - \*OUTDOOR EDUCATION; FIELD INSTRUCTION; LEARNING ACTIVITIES  
 AB - THE AUTHOR DEVELOPED A NEW FORMAT FOR ENVIRONMENTAL FIELD TRIPS WHERE PARTICIPANTS ARE NOT PASSIVE LISTENERS, BUT ACTIVELY INVOLVED. SLIDES THAT FAMILIARIZED PARTICIPANTS WITH THE CRITERIA FOR EVALUATING ENVIRONMENTAL QUALITY WERE USED PRIOR TO THE TRIP. PARTICIPANTS RECORDED POSITIVE AND NEGATIVE INDICATORS ON THE TRIP ESTABLISHING AN ENVIRONMENTAL QUALITY PER MILE SCALE FOR FUTURE DISCUSSION. (MR)

ED - EJ136646  
 CH - SE515875  
 AU - RAILTON, ESTHER P.  
 TI - THE SWINGING DOOR: OPEN AND SHUT EDUCATIONAL ENVIRONMENTS  
 PD - 75  
 IS - CIJE76  
 SO - NATURE STUDY; 29; 3&4; 1-2  
 DE - \*CURRICULUM; \*ENVIRONMENTAL EDUCATION; \*EDUCATIONAL ENVIRONMENT  
 DE - \*NATURE CENTERS; \*OUTDOOR EDUCATION; CURRICULUM PROBLEMS  
 DE - HUMANISTIC EDUCATION; OPEN EDUCATION; SOCIAL VALUES  
 AB - THIS ARTICLE TREATS THE PROBLEMS OF OPENING THE STRUCTURE OF EXISTING OUTDOOR EDUCATION PROGRAMS TO KEEP PACE WITH TWO OPEN-ENDED TEACHING STRATEGIES BEING USED IN THE CLASSROOMS. OBSTACLES TO THIS OPEN STRUCTURE ARE DISCUSSED AND THE NEED FOR A HUMANISTIC, DISCOVERY APPROACH IN OUTDOOR EDUCATION IS STRESSED. (MA)

ED - EJ136647  
 CH - SE515876  
 AU - OLIVER, JANICE  
 TI - TIPS FOR ENVIRONMENTAL EDUCATION AND INTERPRETATION... TIPS FOR  
 ESTABLISHING A SCHOOL NATURE AREA  
 PD - 75  
 IS - CIJE76  
 SO - NATURE STUDY; 29; 3&4; 5-6  
 DE - \*ENVIRONMENTAL EDUCATION; \*NATURE CENTERS; \*OUTDOOR EDUCATION  
 DE - \*PLANNING; \*RESOURCE CENTERS; CONSERVATION EDUCATION; DEVELOPMENT  
 DE - NATURAL RESOURCES; SCHOOL COMMUNITY PROGRAMS; SCIENCE EDUCATION

ED - EJ136650  
 CH - SE515879  
 AU - HAWLEY, BEVERLY  
 TI - ENVIRONMENTAL LIVING PROGRAM AT OLD SHIPS MARITIME STATE HISTORIC  
 PARK  
 PD - 75  
 IS - CIJE76  
 SO - NATURE STUDY; 29; 3&4; 9-10  
 DE - \*ENVIRONMENTAL EDUCATION; \*ELEMENTARY EDUCATION; \*FIELD TRIPS  
 DE - \*OCEANOLOGY; \*SOCIAL STUDIES; CURRICULUM ENRICHMENT; HISTORY  
 DE - OUTDOOR EDUCATION  
 ID - CALIFORNIA (CONCORD); CALIFORNIA (SAN FRANCISCO)

ED - EJ136651  
 CH - SE515880  
 AU - CASE, MARSHAL T., ED.  
 TI - NEWS AND NOTES FOR ENVIRONMENTAL EDUCATION... THE BRIDGEPORT CONNECTION  
 PD - 75  
 IS - CIJE76  
 SO - NATURE STUDY; 29; 3&4; 11  
 DE - \*ENVIRONMENTAL EDUCATION; \*HIGHER EDUCATION; \*OUTDOOR EDUCATION  
 DE - \*SUMMER INSTITUTES; \*TEACHER EDUCATION; ECOLOGY; ENVIRONMENT  
 DE - SCIENCE EDUCATION; URBAN EDUCATION; URBAN ENVIRONMENT  
 ID - CONNECTICUT  
 AB - THIS ARTICLE CONCERNS A SUMMER ENVIRONMENTAL EDUCATION INSTITUTE DESIGNED FOR INNER CITY TEACHERS. COURSE INSTRUCTORS CONCENTRATED ON FIRST-HAND EXPERIMENTAL LEARNING ACTIVITIES. TEACHERS WORKED ON SHORT STUDIES OF THE AREAS DESIGNED TO ACQUAINT THEM WITH THE NATURAL ENVIRONMENT. THE NEED FOR ENVIRONMENTAL EDUCATION IN URBAN SCHOOLS WAS STRESSED. (MA)

ED - EJ136684  
 CH - SE516086  
 AU - HUNGERFORD, HAROLD R.  
 TI - MYTHS OF ENVIRONMENTAL EDUCATION  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 21-26  
 DE - \*ENVIRONMENTAL EDUCATION; \*EDUCATIONAL ATTITUDES  
 DE - \*EDUCATIONAL PHILOSOPHY; \*INSTRUCTION; \*TEACHER ATTITUDES  
 DE - EDUCATIONAL PROBLEMS; OUTDOOR EDUCATION; SCIENCE EDUCATION  
 AB - DISCUSSED ARE SEVEN PEDAGOGICAL MYTHS OF ENVIRONMENTAL EDUCATION. THE MYTHS INCLUDE ECOLOGY AND OUTDOOR EDUCATION ARE SYNONYMOUS WITH ENVIRONMENTAL EDUCATION, HUMANISM IS EQUATED WITH STUDENT AUTONOMY, STUDENTS ARE NATURAL INVESTIGATORS, SCIENCE CAN RESOLVE ENVIRONMENTAL PROBLEMS, ONLY SCIENCE TEACHERS SUCCESSFULLY TEACH ENVIRONMENTAL EDUCATION, AND ENVIRONMENTAL EDUCATORS PRACTICE WHAT THEY PREACH. (MR)

ED - EJ136687  
 CH - SE516089  
 AU - CURRY, A. DUDLEY; WILLIAMS, ROBERT A.  
 TI - GATHERING AND PREPARING WILD FOODS  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 44-47  
 DE - \*COMMUNITY EDUCATION; \*ENVIRONMENTAL EDUCATION  
 DE - \*FOODS INSTRUCTION; \*INSTRUCTION; \*OUTDOOR EDUCATION; NUTRITION  
 ID - SURVIVAL EDUCATION  
 AB - DISCUSSED ARE THE APPLICATIONS OF GATHERING AND PREPARING WILD FOODS TO ENVIRONMENTAL, SURVIVAL, CAREER, AND COMMUNITY EDUCATION PROGRAMS. IT RECOMMENDS WILD FOODS ACTIVITIES BE USED TO STIMULATE SOCIAL AND HISTORICAL STUDIES OF "RETURN-TO-NATURE" LIFE STYLES. WILD FOOD STUDY ALSO EMPHASIZES MAN AS PART OF THE ENVIRONMENT. (MR)

ED - EJ136690  
 CH - SE516092  
 AU - REYBURN, JERRY H.; KNUDSON, DOUGLAS M.  
 TI - THE INFLUENCE OF ADVERTISING ON ATTENDANCE AT PARK PROGRAMS  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 59-64  
 DE - \*ATTENDANCE PATTERNS; \*COMMUNICATION PROBLEMS  
 DE - \*ENVIRONMENTAL EDUCATION; \*PARKS; CAMPING; NATURE CENTERS  
 DE - OUTDOOR EDUCATION; SUMMER PROGRAMS; VACATION PROGRAMS  
 ID - \*RESEARCH REPORTS  
 AB - INVESTIGATED WERE THE EFFECTS ON ATTENDANCE OF FOUR TYPES OF PRE-PROGRAM ADVERTISING: NO ADVERTISING, PERSONAL INVITATION, SIGNS, AND INNOVATION. ALL THREE ADVERTISING TREATMENTS INCREASED PROGRAM ATTENDANCE OVER NO ADVERTISING. EACH ADVERTISING TECHNIQUE HAS ADVANTAGES AND DISADVANTAGES. SIGNS ARE IMPERSONAL, BUT EFFECTIVE. PERSONAL INVITATION IS TIME-CONSUMING BUT HUMANISTIC. (MR)

ED - EJ136699  
 CH - SE516199  
 AU - FALK, JOHN H.  
 TI - OUTDOOR EDUCATION: A TECHNIQUE FOR ASSESSING STUDENT BEHAVIORS  
 PD - MAR 76  
 IS - CIJE76  
 SO - SCHOOL SCIENCE AND MATHEMATICS; 76; 3; 226-230  
 DE - \*BEHAVIOR RATING SCALES; \*EVALUATION; \*MEASUREMENT INSTRUMENTS  
 DE - \*OUTDOOR EDUCATION; \*SCIENCE ACTIVITIES; FIELD TRIPS  
 DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION  
 AB - DESCRIBES AN INSTRUMENT DEVELOPED TO QUANTITATIVELY EVALUATE THE PARTICIPATION LEVELS OF STUDENTS ON OUTDOOR EDUCATION ACTIVITIES. FROM PHOTOGRAPHS TAKEN AT TWO MINUTE INTERVALS, STUDENTS ARE ASSIGNED VALUES FOR THEIR OBSERVED BEHAVIORS. THE CORRELATIONS OF VALUES ASSIGNED BY SEVERAL JUDGES ARE SHOWN. (CP)

ED - EJ136789  
 CH - SE516394  
 AU - ASKHAM, LEONARD R.  
 TI - THE EFFECTS OF PLANTS ON CLASSIFICATION BEHAVIOR IN AN OUTDOOR ENVIRONMENT  
 PD - JAN 76  
 IS - CIJE76  
 SO - JOURNAL OF RESEARCH IN SCIENCE TEACHING; 13; 1; 49-54  
 DE - \*CLASSIFICATION; \*EDUCATIONAL RESEARCH; \*PLANT IDENTIFICATION  
 DE - \*SECONDARY SCHOOL SCIENCE; OUTDOOR EDUCATION; SCIENCE EDUCATION  
 DE - SECONDARY EDUCATION  
 ID - RESEARCH REPORTS  
 AB - SECONDARY SCHOOL STUDENTS IN A CLASSIFICATION STUDY SPENT MORE TIME IN CLASSIFYING PLANTS IN A SEMINATURAL ENVIRONMENT THAN IN CLASSIFYING MAN-MADE GEOMETRICAL OBJECTS IN A CLASSROOM. NO DIFFERENCES WERE FOUND IN THESE RESULTS WITH RESPECT TO RACE, SEX, OR AGE. (MLH)

ED - EJ136990  
 CH - SP504354  
 AU - EZERSKY, EUGENE M.  
 TI - ENRICHING EDUCATION WITH CAMPING PROGRAMS  
 PD - OCT 75  
 IS - CIJE76  
 SO - JOURNAL OF PHYSICAL EDUCATION AND RECREATION; 46; 8; 51-2  
 DE - \*OUTDOOR EDUCATION; \*CAMPING; \*PHYSICAL EDUCATION  
 DE - \*SCHOOL RECREATIONAL PROGRAMS; \*ENVIRONMENTAL EDUCATION  
 DE - RECREATIONAL ACTIVITIES; LIFETIME SPORTS; RECREATIONAL PROGRAMS  
 AB - SCHOOL CAMPING PROGRAMS ARE A MAJOR COMPONENT OF OUTDOOR  
 RECREATION. MANY EDUCATIONAL DISCIPLINES CAN BE TAUGHT THROUGH  
 CAMPING. (RC)

ED - EJ138549  
 CH - RC502116  
 AU - FERGUSON, SUSAN G.; NEBIKER, IRENE G.  
 TI - DISCOVERY 18--DIGGING INTO THE PAST  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 2-9  
 DE - \*ARCHAEOLOGY; \*ELEMENTARY SECONDARY EDUCATION; \*LOCAL HISTORY  
 DE - \*OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 DE - EDUCATIONAL ALTERNATIVES; INTERDISCIPLINARY APPROACH  
 ID - RHODE ISLAND (NORTH SMITHFIELD)  
 AB - SEVERAL HUNDRED STUDENTS HAVE PARTICIPATED IN DIGGING AND  
 EXPLORATION UNDER A PILOT PROJECT (FUNDED VIA TITLE III OF THE  
 ELEMENTARY SECONDARY EDUCATION ACT AND SPONSORED BY THE  
 NORTHFIELD SCHOOL DEPARTMENT OF RHODE ISLAND) WHICH HAS UTILIZED  
 ARCHAEOLOGY AND LOCAL HISTORY AS VEHICLES FOR EDUCATIONAL  
 ALTERNATIVES. (JC)

ED - EJ138550  
 CH - RC502117  
 AU - JUNE, CRISTINA  
 TI - WE ARE CHANGING NATURAL EVOLUTION  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 10-11  
 DE - \*BIOLOGICAL INFLUENCES; \*CONSERVATION (ENVIRONMENT)  
 DE - \*CHEMICAL INDUSTRY; \*EVOLUTION; \*OUTDOOR EDUCATION

ED - EJ138551  
 CH - RC502118  
 AU - LOUGHLIN, WILLIAM, JR.  
 TI - INTEGRATING INDOOR AND OUTDOOR EDUCATION WITH A CAMERA  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 12-15  
 DE - \*CURRICULUM DEVELOPMENT; \*CLASSROOM TECHNIQUES  
 DE - \*INTERDISCIPLINARY APPROACH; \*OUTDOOR EDUCATION; \*PHOTOGRAPHY  
 DE - EDUCATIONAL ALTERNATIVES; ELEMENTARY SECONDARY EDUCATION  
 DE - INTEGRATED ACTIVITIES



ED - EJ138552  
 CH - RC502119  
 AU - SERRAO, JOHN  
 TI - HARBINGERS OF SPRING  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 21-5  
 DE - \*BIOLOGY INSTRUCTION; \*CLASSROOM RESEARCH; \*ELEMENTARY EDUCATION  
 DE - \*OUTDOOR EDUCATION; SECONDARY EDUCATION  
 ID - \*AMPHIBIANS  
 AB - EMPHASIZING THE SPRING MIGRATION OF FROGS, TOADS, AND SALAMANDERS TO THEIR WATERY BREEDING SITES, THIS ARTICLE PRESENTS INFORMATION ON NUMEROUS AMPHIBIANS AND SUGGESTS BOTH INDOOR AND OUTDOOR EDUCATIONAL ACTIVITIES APPROPRIATE FOR ELEMENTARY AND/OR EARLY SECONDARY INSTRUCTION. (JC)

ED - EJ138553  
 CH - RC502120  
 AU - LEINBACH, ERIC; JOSLIN, ROBERT  
 TI - SIMPLE CARE OF REPTILES AND AMPHIBIANS  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 26-7  
 DE - \*BIOLOGY; \*CHARTS; \*INSTRUCTIONAL MATERIALS; \*OUTDOOR EDUCATION  
 DE - PRESERVATION; SCIENCE ACTIVITIES; ELEMENTARY SECONDARY EDUCATION  
 DE - FOOD  
 ID - \*AMPHIBIANS  
 AB - PRESENTING DATA ON AMPHIBIANS, THIS ARTICLE DETAILS, VIA CHART, WHERE AND WHEN TO FIND TOADS AND FROGS FOR SCHOOL USE. (JC)

ED - EJ138554  
 CH - RC502121  
 AU - FOSTER, HERBERT L.; AND OTHERS  
 TI - INDIVIDUALIZING STUDY IN THE OUTDOORS THROUGH A CONTRACT SYSTEM  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 29-33  
 DE - \*INDIVIDUALIZED INSTRUCTION; \*LEARNING ACTIVITIES  
 DE - \*OUTDOOR EDUCATION; \*PERFORMANCE CONTRACTS; BIBLIOGRAPHIES  
 DE - LEARNING MOTIVATION  
 ID - \*CEMETERIES; INDIVIDUALIZED CURRICULUM CONTRACT SYSTEM; ICCS

ED - EJ138555  
 CH - RC502122  
 AU - VAN HORN, WILLIAM F.  
 TI - PROJECT OCEANOLOGY: FOSTERING ENVIRONMENTAL AWARENESS AND CONCERN  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 34-41  
 DE - \*LEARNING LABORATORIES; \*OUTDOOR EDUCATION; \*OCEANOLOGY  
 DE - \*PROGRAM DESCRIPTIONS; RESOURCE CENTERS; ENVIRONMENTAL EDUCATION  
 DE - ELEMENTARY SECONDARY EDUCATION; HISTORY; HIGHER EDUCATION  
 ID - \*PROJECT OCEANOLOGY; CONNECTICUT (GROTON)  
 AB - SERVING AS AN EDUCATIONAL RESOURCE CENTER FOR CONNECTICUT PUBLIC  
 SCHOOLS AND INSTITUTIONS OF HIGHER LEARNING, PROJECT OCEANOLOGY  
 PROVIDED 256 PROGRAMS IN MARINE EDUCATION VIA A "FLOATING  
 LABORATORY", A WATERFRONT LABORATORY, AND A CLASSROOM EQUIPPED  
 FOR INDIVIDUAL STUDY. (JC)

ED - EJ138556  
 CH - RC502123  
 AU - AUGUST, IRWIN  
 TI - ROOTS, FANDANNAS, AND BEANS  
 PD - SPR-SU 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 42-6  
 DE - \*CLOTHING; \*EQUIPMENT; \*FOOD; \*OUTDOOR EDUCATION; CAMPING  
 DE - PLANNING  
 ID - \*BACKPACKING  
 AB - DETAILING THE PROPER FOOD, CLOTHING, AND EQUIPMENT NECESSARY FOR  
 SAFE AND COMFORTABLE BACKPACKING, THIS ARTICLE EMPHASIZES CAREFUL  
 PLANNING. (JC)

ED - EJ138557  
 CH - RC502124  
 AU - FUGE, GEORGE C.; HILL, GREGORY A.  
 TI - CORTLAND'S QUARTER CENTURY OF OUTDOOR EDUCATION  
 PD - SPR-SUM 76  
 IS - CIJE76  
 SO - COMMUNICATOR; 7; 2; 48-50  
 DE - \*HISTORY; \*OUTDOOR EDUCATION; \*PROGRAM DEVELOPMENT  
 DE - \*RESOURCE CENTERS; ENVIRONMENTAL EDUCATION  
 DE - ELEMENTARY SECONDARY EDUCATION; HIGHER EDUCATION  
 DE - PROGRAM DESCRIPTIONS  
 ID - \*CORTLAND CENTER; ADIRONDACKS  
 AB - EACH OF THE MORE THAN 50 PROGRAMS CONDUCTED ANNUALLY AT CORTLAND  
 CENTER IN THE ADIRONDACKS AIM TOWARD DEVELOPING THE CONCEPT OF  
 MAN IN HARMONY WITH NATURE. (JC)

ED - EJ139841  
 CH - RC502153  
 AU - YAMBERT, PAUL A.  
 TI - OUTDOOR EDUCATION HAS TO GO  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 2-7  
 DE - \*CONSERVATION (ENVIRONMENT); \*EDUCATIONAL PHILOSOPHY  
 DE - \*FUTURES (OF SOCIETY); \*OUTDOOR EDUCATION; DEPLETED RESOURCES  
 DE - ENVIRONMENTAL EDUCATION; ECOLOGICAL FACTORS; NEGATIVE ATTITUDES  
 DE - RECYCLING  
 AB - THE ARTICLE DISCUSSES SOME OF THE REASONS WHY OUTDOOR EDUCATORS  
 ARE PESSIMISTIC ABOUT THE FUTURE OF THE ECOSYSTEM AND SOME OF THE  
 REASONS FOR BEING OPTIMISTIC. (NQ)

ED - EJ139842  
 CH - RC502154  
 AU - SPITZNER, STUART H.  
 TI - URBAN ENVIRONMENTAL EDUCATION: A DILEMMA, A SOLUTION, AND ANOTHER  
 DILEMMA  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 8-10  
 DE - \*ECOLOGY; \*EDUCATIONAL DEVELOPMENT; \*ENVIRONMENTAL EDUCATION  
 DE - \*OUTDOOR EDUCATION; \*URBAN ENVIRONMENT; CURRICULUM DEVELOPMENT  
 DE - ELEMENTARY EDUCATION  
 AB - A REPLICABLE DESIGN OF ENVIRONMENTAL STUDIES WHICH PLACES THE  
 GREATEST EMPHASIS ON THE URBAN ECO-SYSTEM IS DISCUSSED. (NQ)

ED - EJ139843  
 CH - RC502155  
 AU - KIELSMEIER, JIM  
 TI - EXPERIENCE AS AN INTERDISCIPLINARY FOCUS IN ALTERNATIVE PROGRAMS  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 11-13  
 DE - \*CURRICULUM DEVELOPMENT; \*EDUCATIONAL ALTERNATIVES  
 DE - \*INTEGRATED ACTIVITIES; \*INTERDISCIPLINARY APPROACH  
 DE - COURSE ORGANIZATION; ENVIRONMENTAL EDUCATION  
 DE - INSTRUCTIONAL INNOVATION; LEARNING EXPERIENCE; OUTDOOR EDUCATION  
 DE - THE ARTICLE OFFERS THE SUGGESTION THAT INTERDISCIPLINARY UNITS  
 CAN BE MAXIMIZED IF THEY INCLUDE SOME FORM OF FOCUSING  
 EXPERIENCES AS PART OF THE MODULE AND GIVES SOME TIPS ON  
 DEVELOPING SUCH A UNIT. (AUTHOR)

ED - EJ139844  
 CH - RC502156  
 AU - WINTER, LAREN R.; ROSE, KEN  
 TI - A PROFESSIONAL-CULTURAL EXCHANGE OF EXPERIENCES IN OUTDOOR  
 EDUCATION  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 13-15  
 DE - \*COLLEGE PROGRAMS; \*CULTURAL EXCHANGE; \*EXCHANGE PROGRAMS  
 DE - \*INTERINSTITUTIONAL COOPERATION; \*OUTDOOR EDUCATION  
 DE - PROGRAM DESCRIPTIONS  
 ID - SOUTHWESTERN OKLAHOMA STATE UNIVERSITY  
 ID - COLLEGE OF SANTA FE NEW MEXICO  
 AB - THE EXCHANGE PROGRAM BETWEEN SOUTHWESTERN OKLAHOMA STATE  
 UNIVERSITY (WEATHERFORD, OKLAHOMA) AND THE COLLEGE OF SANTA FE  
 (NEW MEXICO) IS DESCRIBED. (NQ)



ED - EJ139845  
 CH - RC502157  
 AU - WOLFF, BIRGIT H.  
 TI - HYPOTHERMIA, KNOW IT FOR WHAT IT IS: A POTENTIAL KILLER  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 15-17  
 DE - \*HEALTH; \*MEDICAL TREATMENT; \*OUTDOOR EDUCATION  
 DE - \*THERMAL ENVIRONMENT; EDUCATIONAL EXPERIENCE; FIRST AID  
 DE - STRESS VARIABLES  
 ID - \*HYPOTHERMIA

ED - EJ139846  
 CH - RC502158  
 AU - MARTURANO, ARLENE  
 TI - READING THE FUTURE  
 PD - 75  
 IS - CIJE76  
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 18-19  
 DE - \*CONSERVATION (ENVIRONMENT); \*ENVIRONMENTAL EDUCATION  
 DE - \*OUTDOOR EDUCATION; \*READING; CONTEXT CLUES; ELEMENTARY EDUCATION  
 DE - FUTURES (OF SOCIETY)  
 AB - THE FIFTH GRADE CLASSROOM PROGRAM IN ENVIRONMENTAL EDUCATION AT GADSDEN ELEMENTARY SCHOOL (GADSDEN, SOUTH CAROLINA) AIMS TO DEVELOP AN INTELLIGENT EYE WHICH WILL FUNCTION MORE EFFECTIVELY IN READING THE SURROUNDINGS WHEN THE ENTIRE BODY IS IN TOUCH WITH THE EARTH AND ITS RESOURCES. (NQ)

ED - EJ139927  
 CH - SE516413  
 AU - LEWIS, CHARLES A.  
 TI - NATURE CITY: TRANSLATING THE NATURAL ENVIRONMENT INTO URBAN  
 LANGUAGE  
 PD - 76  
 IS - CIJE76  
 SO - NATURE STUDY; 30; 1; 8-9  
 DE - \*ENVIRONMENTAL EDUCATION; \*ECOLOGY; \*FIELD TRIPS  
 DE - \*LEARNING ACTIVITIES; \*URBAN EDUCATION; OUTDOOR EDUCATION

FD - EJ139948  
 CH - SE516490  
 AU - OSMON, CAROL  
 TI - A 36,000-ACRE CLASSROOM  
 PD - MAR/APR 76  
 IS - CIJE76  
 SO - SCIENCE ACTIVITIES; 13; 2; 13-16  
 DE - \*FIELD TRIPS; \*OUTDOOR EDUCATION; \*SCIENCE PROGRAMS  
 DE - \*SCIENCE ACTIVITIES; \*SECONDARY SCHOOL SCIENCE; INSTRUCTION  
 DE - SCIENCE EDUCATION; SECONDARY EDUCATION  
 ID - \*SCIENCE CAMPS  
 AB - DESCRIBES THE SCIENCE ACTIVITIES AT A SCHOOL CAMP LOCATED IN THE  
 SAN BERNADINO MOUNTAINS. EACH SIXTH-GRADE STUDENT IN THE LONG  
 BEACH, CALIFORNIA SCHOOL DISTRICT ATTENDS THIS CAMP FOR ONE WEEK.  
 (MLH)

ED - EJ140012  
 CH - SE516594  
 AU - GORDON, MARSHALL  
 TI - MEASUREMENT ACTIVITIES FOR EXPLORING THE NATURAL ENVIRONMENT  
 PD - 76  
 IS - CIJE76  
 SO - NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS YEARBOOK; 38; 163-174  
 DE - \*GEOMETRIC CONCEPTS; \*INSTRUCTION; \*LEARNING ACTIVITIES  
 DE - \*MEASUREMENT; \*SECONDARY SCHOOL MATHEMATICS  
 DE - ELEMENTARY SECONDARY EDUCATION; LABORATORY PROCEDURES  
 DE - MATHEMATICS EDUCATION; OUTDOOR EDUCATION; PHYSICAL ENVIRONMENT  
 AB - A SERIES OF OUTDOOR ACTIVITIES IS PROVIDED IN WHICH MEASUREMENT  
 AND GEOMETRY ARE USED TO DESCRIBE PHENOMENA IN THE ENVIRONMENT.  
 (SD)

ED - EJ140068  
 CH - SE516654  
 AU - BALLIN, ALICE  
 TI - WOODLAND ACTIVITY BOOK  
 PD - APR 76  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 7; 16-17  
 DE - \*INSTRUCTIONAL MATERIALS; \*OUTDOOR EDUCATION  
 DE - \*OBSERVATIONAL LEARNING; \*SCIENCE ACTIVITIES; \*SCIENCE MATERIALS  
 DE - ELEMENTARY SCHOOL SCIENCE; ELEMENTARY EDUCATION  
 DE - ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; SCIENCE EDUCATION  
 AB - DISCUSSES A BOOK TO ENCOURAGE CHILDREN TO MAKE MORE ACCURATE  
 OBSERVATIONS AND TO GAIN FURTHER INSIGHT INTO THE WONDERS OF  
 NATURE. CONSIDERED MOST SUCCESSFUL WHEN USED WITH SECOND TO  
 FOURTH GRADERS. A SELECTION OF PAGES ARE DESCRIBED. (EB)



ED - FJ140071  
 CH - SE516657  
 AU - BUSCHER, DICK  
 TI - OUTDOOR EDUCATION IN THE SONORAN DESERT  
 PD - APR 76  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 7; 20-21  
 DE - \*ENVIRONMENTAL EDUCATION; \*FIELD STUDIES; \*NATURAL RESOURCES  
 DE - \*SCIENCE ACTIVITIES; \*SECONDARY SCHOOL SCIENCE; BIOLOGY  
 DE - JUNIOR HIGH SCHOOL STUDENTS; OUTDOOR EDUCATION; SCIENCE EDUCATION  
 DE - SECONDARY EDUCATION  
 ID - DESERTS  
 AB - AN EIGHT-DAY TRIP SEGMENT OF A SCIENCE CURRICULUM WAS SPENT IN THE OUTDOORS FOR STUDENTS WHO LIVE IN A POTENTIALLY DANGEROUS ENVIRONMENT TO LEARN TO RESPECT IT AND HOW TO USE IT AS AN AREA FOR RECREATION AND EDUCATION. THE DESIGN AND HIGH POINTS OF THE CURRICULUM ARE GIVEN. (EB)

ED - EJ140072  
 CH - SE516658  
 AU - LITTMAN, KAREN; BARON, DIANE T.  
 TI - THE ENVIRONMENTAL APPROACH TO RECREATION SERVICES  
 PD - APR 76  
 IS - CIJE76  
 SO - SCIENCE AND CHILDREN; 13; 7; 22-23  
 DE - \*ENVIRONMENTAL EDUCATION; \*HANDICAPPED CHILDREN  
 DE - \*INTELLECTUAL DEVELOPMENT; \*OUTDOOR EDUCATION  
 DE - \*RECREATIONAL ACTIVITIES; CREATIVE THINKING  
 DE - ELEMENTARY SECONDARY EDUCATION; ENVIRONMENTAL INFLUENCES  
 DE - LEARNING ACTIVITIES; SCIENCE EDUCATION  
 AB - PRESENTS AN ENVIRONMENTAL RECREATION PROGRAM SET UP TO INITIATE AND IMPROVE UPON THE LEVELS OF PERSONAL AND SOCIAL FUNCTIONING OF THE HANDICAPPED CHILD. PROGRAMS ARE BASED IN COMMUNITY CENTERS OR PARKS, IN A NEIGHBORHOOD PLAY AREA OR NEAR A WOODS. IT IS CONSIDERED A NONTHREATENING APPROACH. (EB)

ED - EJ140136  
CH - SE516722  
AU - THOMSEN, KURT O.  
TI - FIELD SEMINAR LIBRARY FOR EARTH SCIENCE DEPARTMENTS  
PD - MAR 75  
IS - CIJE76  
SO - JOURNAL OF GEOLOGICAL EDUCATION; 23; 2; 49-51  
DE - \*COLLEGE SCIENCE; \*EARTH SCIENCE; \*FIELD TRIPS  
DE - \*OUTDOOR EDUCATION; \*SCIENCE ACTIVITIES; HIGHER EDUCATION  
DE - PRESERVICE EDUCATION; SCIENCE EDUCATION; TEACHER EDUCATION  
AB - ADVOCATES A FIELD SEMINAR PROGRAM IN WHICH PROSPECTIVE EARTH  
SCIENCE TEACHERS, AS WELL AS OTHER STUDENT PARTICIPANTS, MAY EARN  
COLLEGE CREDITS FOR TAKING PART IN FIELD EXPERIENCES. (CP)

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     EJ126653  
     EJ133192  
     EJ136637  
     EJ139842  
     EJ139927  
 EDUCABLE MENTALLY HANDICAPPED  
     ED116910  
 EDUCATIONAL ALTERNATIVES  
     ED114421  
     EJ133196  
     EJ139843  
 EDUCATIONAL ATTITUDES  
     EJ136684  
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ED119960

ED119961

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ED125841

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EJ136990

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## POPULATION EDUCATION

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