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IDENTIFIERS Adventure Education; \*Outward Bound

ABSTRACT

A supplement to eight previous publications, this bibliography includes recent resource materials, research findings, and developments in outdoor education. Citations are derived from the June 1977-June 1978 issues of Resources in Education (RIE) and Current Index to Journals in Education (CIJE). The bibliography is divided into two major sections covering RIE and CIJE citations. Each section is preceded by a subject index. Among the subjects listed in the RIE subject index are the following: adventure education, ecology, environmental education, experiential learning, handicapped, orienteering, Outward Bound, program development, program evaluation, program planning, recreation, residential programs, sensory experience, and site development. Document types found in this bibliography include the following: bibliographies, directories, guides, program descriptions, and resource and teaching guides. Among the subjects listed in the CIJE subject index are the following: botany, camping, death, ecology, environmental education, experiential learning, field trips, handicapped, higher education, land use, marine biology, natural resources, physical education, recreational activities, research needs, science activities, teacher education, and urban studies. There are 49 citations listed in the RIE section and 75 citations listed in the CIJE section. Ordering information and a list of the 16 ERIC clearinghouses are included.

(JC)

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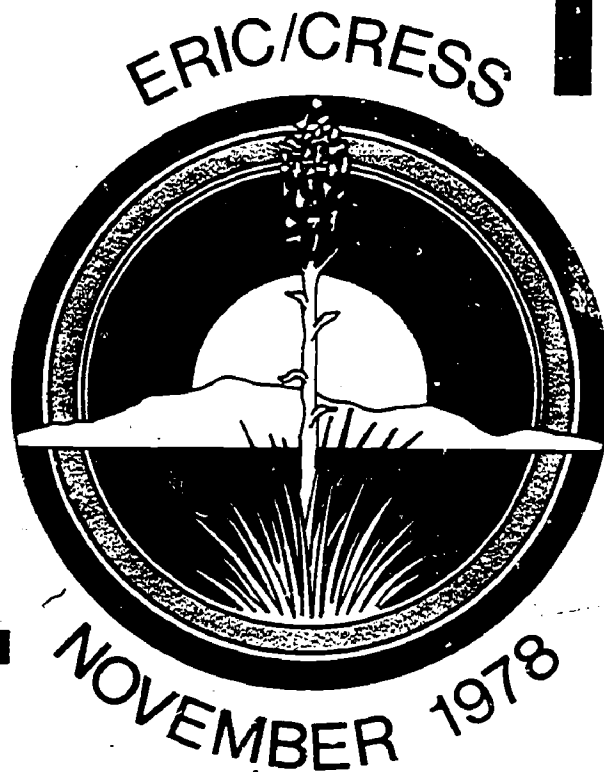
# OUTDOOR EDUCATION

ERIC<sup>®</sup>

a bibliography of ERIC documents  
supplement no. 8

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

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OUTDOOR EDUCATION  
A BIBLIOGRAPHY OF ERIC DOCUMENTS  
Supplement No. 8

ERIC/CRESS

November 1978

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

New Mexico State University  
*Box 3AP*  
Las Cruces, New Mexico 88003

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November 1978

## THE ERIC SYSTEM

The Educational Resources Information Center (ERIC) is a decentralized nationwide network, sponsored by the National Institute of Education (NIE), designed to collect, to organize, to screen, to disseminate and/or otherwise to make available educational resource and/or research related material to teachers, administrators, researchers, students, and other interested persons.

To achieve this purpose, ERIC processes documents for announcement in Resources in Education (RIE). This is a monthly abstract journal which announces all documents that are acquired by ERIC and that pass its selection criteria. ERIC attempts comprehensive coverage of recently completed significant documents dealing with education.

Documents announced in RIE (except for some copyrighted materials) can be purchased in microfiche or paper copy from the ERIC Document Reproduction Service (EDRS). EDRS sends complete sets of ERIC documents on microfiche to over 650 standing order customers in this country and abroad. A list containing the locations of these standing orders may be obtained from the ERIC Processing and Reference Facility, 4833 Rugby Avenue, Suite 303, Bethesda, MD 20014.

In addition to providing access to the report literature, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly journal which announces articles appearing in over 700 educationally related periodicals.

Although RIE and CIJE provide manual access to materials, the ERIC data base is also accessible at many locations through computer searches of ERIC's magnetic tapes. The major vendors of on-line retrieval services all provide access to the ERIC data base, which is one of the most popular and lowest cost data bases presently in operation.

ERIC accomplishes its objectives primarily through its three sub-contractors and its sixteen Clearinghouses, each of which specializes in different, multi-discipline, educational areas. The Clearinghouse on Rural Education and Small Schools (CRESS) is responsible for processing materials related to rural education, small schools, the American Indian, the Mexican American, the migrant, and outdoor education. For information concerning other individual Clearinghouses and their scopes, consult the list at the back of this publication.

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## Organization of the Bibliography

This bibliography is the ninth such outdoor education bibliography covering the latest research findings and/or educational developments drawn from the RIE and CIJE issues dating from June 1977 through June 1978. To compile this bibliography, the terms Outdoor Education, Outdoor Drama, and Outdoor Theatres were used to search the ERIC holdings.

There are two major divisions in the bibliography: the RIE and CIJE sections. Heading each division is a subject index which will aid the reader in locating the material he wants by subject classification.

Each citation begins with an ERIC accession number. RIE entries are given an ED number; CIJE entries have an EJ number. The citations are arranged by these numbers, starting with the lowest number first.

On page 2 the reader may find a Sample RIE Citation and the Key to the Citations. This will explain the code being used. Page 21 carries the Sample CIJE Citation and its Key.

Full reproductions of each RIE document (if available) can be ordered from EDRS through the order blank found in this bibliography. This also includes instructions for computing the price. If an RIE citation says NOT AVAILABLE FROM EDRS, an alternate source is given; if the citation says HC NOT AVAILABLE FROM EDRS, the citation is available in microfiche only.

CIJE articles are not available from EDRS; to find it in its entirety or obtain a reprint, the reader must go to the appropriate journal in his local library. Many journals have reprints available through University Microfilms. See a current issue of CIJE for an up-to-date list of participating journals and for ordering information.

### Document Contributions

Persons desiring to make document contributions may do so by sending one copy or two, if available, to:

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

OUTDOOR EDUCATION  
A SELECTED BIBLIOGRAPHY  
RESOURCES IN EDUCATION

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### Key to Citations

- AN      Accession number: identifying number assigned to documents and/or journal articles as they are processed
- CHAN    Clearinghouse accession number
- TI      Title
- AU      Author
- SPO     Sponsoring Agency
- OS      Organizational Source
- SO      Publication date and number of pages
- AV      Alternate Availability
- NO      Notes
- NU      Contract Number
- DT      Document Type
- IT      Index Terms
- ST      Supplementary Terms - identifiers not found in Thesaurus of ERIC Descriptors

### Sample Citation

- AN    - ED148548
- CHAN - RG010308
- TI    - Teaching Through Adventure: A Practical Approach
- SO    - (1976): 97pp  
      - RIE78MAY
- AV    - Document Not Available from EDRS. Project Adventure, Box 157, Hamilton, Massachusetts 01936 (\$4.50)
- DT    - G (Guides & Manuals)
- IT    - Activity Learning: Art: Biological Sciences: Camping:  
      \*Concept Formation: Curriculum Development: \*Curriculum  
      Guides: Educational Objectives: English Curriculum:  
      Field Trips: Group Activities: Interdisciplinary Approach:  
      \*Outdoor Education: Planning: \*Program Descriptions:  
      Program Development: Program Evaluation: \*Secondary  
      Education
- ST    - \*Adventure Activities: \*Experimental Learning

-3-

## ADVENTURE EDUCATION

AN - ED148548  
CHAN- RC010308  
TI - Teaching Through Adventure: A Practical Approach  
SO - (1976): 97pp  
- R1E78MAY  
AV - Document Not Available from EDRS. Project Adventure, Box 157,  
Hamilton, Massachusetts 01936 (\$4.50)  
DT - G (Guides & Manuals)  
IT - Activity Learning; Art; Biological Sciences; Camping; \*Concept  
Formation; Curriculum Development; \*Curriculum Guides;  
Educational Objectives; English Curriculum; Field Trips; Group  
Activities; Interdisciplinary Approach; \*Outdoor Education;  
Planning; \*Program Descriptions; Program Development; Program  
Evaluation; \*Secondary Education  
ST - \*Adventure Activities; \*Experiential Learning

AN - ED148550  
CHAN- RC010310  
TI - Cranking Out Adventure: A Bike Leader's Guide to Trial and Error  
Touring  
AU - Rohnke, Karl  
SO - (1977): 46pp  
- R1E78MAY  
AV - Document Not Available from EDRS. Project Adventure, P.O. Box  
157, Hamilton, Massachusetts 01936 (\$3.00)  
DT - G (Guides & Manuals)  
IT - \*Bicycling; \*Camping; Clothing; Costs; \*Equipment; Equipment  
Maintenance; First Aid; Food; Group Activities; \*Guides;  
\*Instructional Trips; \*Outdoor Education; Physical Fitness;  
Planning; Psychological Needs; Recreational Activities; Safety;  
Secondary Education  
ST - \*Adventure Activities; Experiential Learning

AN - ED148818  
CHAN- SP012114  
TI - Cowstails and Cobras. A Guide to Ropes Courses, Initiative Games,  
and Other Adventure Activities  
AU - Rohnke, Karl  
SO - (1977): 160pp  
- R1E78MAY  
AV - Document Not Available from EDRS. Project Adventure, P.O. Box  
157, Hamilton, Ma. 01936. (\$6.50)  
DT - C (Curriculum Materials & Teacher-Developed Materials)  
IT - Curriculum Enrichment; \*Curriculum Guides; \*Outdoor Education;  
\*Physical Activities; Physical Education; Risk; \*Secondary  
Education  
ST - \*Adventure Activities; \*Rope Exercises

## BIBLIOGRAPHIES

- AN - E0136971
- CHAN- RC009715
- TI - Outdoor Education. A Selected Bibliography (with ERIC Abstracts).  
ERIC/CRESS Supplement No. 6
- OS - New Mexico State Univ., University Park. ERIC Clearinghouse on  
Rural Education and Small Schools.
- SPO - National Inst. of Education (DHEW). Washington, D.C.
- SO - Mar 1977; 111pp  
- R1E77AUG
- AV - EDRS Price MF-\$0.83 HC-\$6.01 Plus Postage.(2 MF). National  
Educational Laboratory Publishers, Inc., 813 Airport Boulevard,  
Austin, Texas 78702 (Stock No. EC-052, \$5.50)
- NO - For related document, see ED 118 306
- NU - Contract: 400-75-0025
- DT - L (Bibliographies & Reviews)
- IT - \*Abstracts; \*Annotated Bibliographies; Camping; \*Conservation  
Education; Curriculum Guides; Early Childhood Education;  
Elementary Secondary Education; \*Environmental Education; Field  
Trips; Handicapped Children; Higher Education; Instructional  
Materials; Learning Activities; Natural Resources; \*Outdoor  
Education; Program Descriptions; Program Development; Resource  
Guides; Science Activities; Science Education; Subject Index  
Terms; Teaching Guides; Urban Education

- AN - ED138384
- CHAN- RC009837
- TI - CRESS-CROSS. 1976
- AU - Calderon, Margarita, Ed.
- OS - New Mexico State Univ., University Park. ERIC Clearinghouse on  
Rural Education and Small Schools.
- SPO - National Inst. of Education (DHEW). Washington, D.C.
- SO - (1976); 26pp  
- R1E77SEP
- AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage.(1 MF).
- NO - Related documents include ED 108 794-801
- NU - Contract: 400-75-0025
- DT - J (Journals & Periodicals)
- IT - \*American Indians; \*Bibliographies; Bilingual Education;  
Educational Needs; \*Literature Reviews; Mexican Americans;  
Migrant Education; \*Newsletters; \*Outdoor Education; \*Rural  
Education; Small Schools

- AN - ED149884
- CHAN- RC010262
- TI - Outdoor Education. A Bibliography of ERIC Abstracts: Supplement  
No. 7
- OS - New Mexico State Univ., University Park. ERIC Clearinghouse on  
Rural Education and Small Schools.
- SPO - National Inst. of Education (DHEW). Washington, D.C.
- SO - Jan 1978; 2pp  
- R1E78JUN
- AV - EDRS Price MF-\$0.83 HC-\$6.01 Plus Postage.(118 MF). National  
Educational Laboratory Publishers, Inc., 813 Airport Boulevard,  
Austin, Texas 78702 (Stock No. EC-060; \$6.00)
- NO - For related document, see ED 136 971
- NU - Contract: 400-75-0025
- DT - L (Bibliographies & Reviews)
- IT - \*Abstracts; Activity Learning; \*Annotated Bibliographies;  
Camping; \*Conservation Education; Curriculum Guides; Elementary  
Education; \*Environmental Education; Instructional Materials;  
Learning Activities; \*Outdoor Education; \*Periodicals; Resident  
Camp Programs; Resource Guides; Science Activities; Subject Index  
Terms; Teaching Guides

-5-

## DIRECTIONS

AN - ED139571  
CHAN- RC009905  
TI - Outward Bound Adaptive Programs in Private Schools  
OS - Colorado Outward Bound School, Denver.  
SO - (1974): 1pp  
- RIE77OCT  
AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS. (23 MF).  
DT - D (Directories)  
IT - \*Articulation (Program); \*Directories: Educational Alternatives: Enrollment; Individualized Programs; \*Outdoor Education; \*Private Schools; \*Program Content; Program Descriptions  
ST - Experiential Learning; \*Outward Bound

AN - ED140994  
CHAN- RC009919  
TI - Directory of Outdoor Education Degree Programs in Higher Education  
AU - Bachert, Russel E., Jr.  
OS - New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.  
SPO - National Inst. of Education (DHEW), Washington, D.C.  
SO - Jun 1977; 4pp  
- RIE77NOV  
AV - EDRS Price MF-\$0.83 HC-\$18.07 Plus Postage. (334 MF). National Educational Laboratory Publishers, Inc., 813 Airport Boulevard, Austin, Texas 78702 (Stock No. EC-053, \$12.00)  
NU - Contract: 400-75-0025  
DT - D (Directories)  
IT - Affiliated Schools; College Credits; \*College Programs; Conservation Education; Course Descriptions; Degree Requirements; Degrees (Titles); \*Directories; Ecology; Enrollment; \*Environmental Education; Faculty; \*Higher Education; Nature Centers; \*Outdoor Education; Program Content; Program Descriptions; Universities

## ECOLOGY

AN - ED144753  
CHAN- RC010104  
TI - An Environmental Handbook of the Marble Area  
AU - Campbell, Dan  
OS - Colorado Outward Bound School, Denver.  
SO - 1974: 1pp  
- RIE78FEB  
AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage. (49 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 (\$1.50)  
DT - G (Guides & Manuals)  
IT - Climatic Factors; \*Ecology; Environmental Education; \*Geographic Regions; Geography; \*Geology; \*Guides; \*Outdoor Education; Plant Identification; \*Recreation; Wildlife Management  
ST - \*Colorado; Maroon Bells Snowmass Wilderness Area

### ENVIRONMENTAL EDUCATION

- AN - ED139672
- CHAN- SE022654
- TI - A Quantitative Comparison of Environmental Education, Conservation Education, Outdoor Education, Ecological Education, Environmentalized Education and General Education based on Goals
- AU - Johnson, David I.
- SO - (1977); 2pp  
- RI770CT
- AV - EDRS Price MF-\$0.83 HC-\$7.35 Plus Postage.(148 MF).
- NO - Ph.D. Dissertation, Michigan State University; Tables may be marginally legible due to small type
- DT - T (Theses & Dissertations)
- IT - \*Comparative Analysis; \*Conservation Education; Doctoral Theses; Ecology; \*Educational Objectives; Educational Research; \*Environmental Education; \*General Education; Models; \*Outdoor Education

- AN - ED144764
- CHAN- RC010117
- TI - Colorado Outdoor Education Center Teacher's Field Guide
- OS - Colorado Outdoor Education Center, Inc., Florissant.
- SO - (1975); 184pp  
- RI78FEB
- AV - Document Not Available from EDRS. Colorado Outdoor Education Center, Florissant, Colorado 80816 (\$8.00)
- DT - G (Guides & Manuals)
- IT - Activity Learning; American History; American Indian Culture; Conservation (Environment); Course Content; Creative Activities; Cultural Exchange; \*Curriculum Guides; Discovery Learning; Ecology; \*Environmental Education; \*Environmental Research; Geology; Grade 6; High School Students; Human Geography; Interdisciplinary Approach; Learning Activities; Life Style; Multisensory Learning; Nature Centers; \*Outdoor Education; \*Trails
- ST - \*Colorado; \*Colorado Outdoor Education Center; Experiential Learning

### EXPERIENTIAL LEARNING

- AN - ED139572
- CHAN- RC009906
- TI - Toward Defining Measurable Objectives in the Affective Domain for Experiential Education Programs
- AU - McKean, Bob, Ed.; And Others
- OS - Colorado Outward Bound School, Denver.
- SO - (1975); 1pp  
- RI770CT
- AV - EDRS Price MF-\$0.83 Plus Postage, HC Not Available from EDRS.(34 MF); Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 (\$1.00)
- DT - B (Books & Texts)
- IT - Activity Learning; \*Affective Behavior; Affective Objectives; \*Behavioral Objectives; \*Behavior Change; Community Involvement; Course Objectives; Educational Alternatives; Educational Programs; Elementary Secondary Education; Exceptional (Atypical); Group Activities; Learning Activities; \*Observation; \*Outdoor Education; Retarded Children; Skill Development
- ST - \*Experiential Learning; \*Outward Bound

AN - ED148530  
CHAN- RC010263  
TI - A Rationale for Outdoor Activity as Experiential Education: The Reason for Freezin'  
AU - Kesselheim, A. Donn  
SO - Aug 1976; 1pp  
- RIE78MAY  
AV - EDRS Price MF-\$0.83 HC-\$1.67 Plus Postage.(13 MF). CMTF. Post Office Box 2238. Littleton, Colorado 80161 (no price given)  
NO - Paper presented at the Conference on Outdoor Pursuits in Higher Education (Boone, North Carolina, February 11, 1974). Revised and reprinted August 1976  
DT - R (Research & Technical Reports)  
IT - Attitudes; Change Strategies; \*Concept Formation; \*Definitions; Educational Objectives; Environment; Leadership; \*Outdoor Education; Perception; \*Physical Activities; Self Concept; Skill Development; \*Small Group Instruction; \*Stress Variables  
ST - \*Experiential Learning

AN - ED148531  
CHAN- RC010264  
TI - Report on Mitchell Senior Seminar 1973-74  
AU - Forlander, Garold A.  
SO - 29 Jul 1974; 2pp  
- RIE78MAY  
AV - EDRS Price MF-\$0.83 HC-\$7.35 Plus Postage.(134 MF).  
NO - MA Report. University of Colorado. Colorado Outward Bound School  
DT - R (Research & Technical Reports)  
IT - Activities; Consumer Economics; Costs; Creative Activities; Criminal Law; Cultural Differences; \*Curriculum Development; Educational Objectives; \*Experimental Programs; Life Style; Marriage; \*Outdoor Education; \*Program Descriptions; \*Program Evaluation; Program Planning; Resource Materials; \*Secondary Education  
ST - \*Experiential Learning

## GUIDES

AN - ED134433  
CHAN- SE021719  
TI - Environmental Education Curriculum Guide - K-Grade 5. Ah-Nei. The Special Classroom Environmental Education Study Area  
OS - Bureau of Land Management (Dept. of Interior). Billings, Mont.  
SO - Mar 1975; 236pp  
- RIE77JUN  
AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS.(3 MF).  
NO - Not available in hard copy due to marginal legibility of original document  
DT - C (Curriculum Materials & Teacher-Developed Materials)  
IT - Biology; Curriculum; Earth Science; Ecology; \*Elementary Education; \*Elementary School Science; \*Environment; \*Environmental Education; Instructional Materials; \*Outdoor Education; \*Teaching Guides

- AN - ED139563
- CHAN- RC009897
- TI - Instructor's Manual, Revised 1976. Colorado Outward Bound School
- OS - Colorado Outward Bound School, Denver.
- SO - (1976); 2pp  
- R1E770CT
- AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS.(113 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 (\$5.00)
- DT - G (Guides & Manuals)
- IT - Accident Prevention; Activity Learning; Camping; Course Descriptions; Course Objectives; \*Curriculum Guides; First Aid; Interdisciplinary Approach; Lesson Plans; Map Skills; \*Outdoor Education; \*Physical Activities; Policy; \*Program Content; Running; \*Safety Education; Teaching Guides; Teaching Procedures
- ST - \*Colorado Outward Bound School; \*Experiential Learning; Orienteering; Outward Bound

- AN - ED139564
- CHAN- RC009898
- TI - Logistics Handbook, 1976. Colorado Outward Bound School
- OS - Colorado Outward Bound School, Denver.
- SO - (1976). 1pp  
- R1E770CT
- AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS.(92 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 (\$4.00)
- DT - G (Guides & Manuals)
- IT - Accountability; \*Administrator Guides; Clothing; \*Coordinators; Educational Equipment; Equipment Maintenance; First Aid; Food; Motor Vehicles; Occupational Information; \*Outdoor Education; Performance Specifications; Purchasing; Records (Forms); \*Responsibility; Summer Programs
- ST - Colorado Outward Bound School; \*Logistics; \*Outward Bound

- AN - ED138549
- CHAN- RC010309
- TI - Going Camping? A Basic Guide to Camping with Students
- SO - (1977); 39pp  
- R1E78MAY
- AV - Document Not Available from EDRS. Project Adventure, Box 157, Hamilton, Massachusetts 01936 (\$2.00)
- DT - G (Guides & Manuals)
- IT - \*Camping; Clothing; \*Equipment; First Aid; Food; \*Guides; Instructional Trips; Leadership; Needs; \*Outdoor Education; \*Planning; Policy Formation; Program Development; Records (Forms); Safety; Secondary Education; Site Selection; Transportation
- ST - \*Adventure Activities



HANDICAPPED

AN - ED134408  
 CHAN- SE021392  
 TI - Nature Trails for the Visually Impaired  
 AU - Schwartz, Jonathan R.  
 OS - Syracuse Univ., N.Y. Environmental Studies Inst.  
 SO - (1976): 47pp  
 - RIE77JUN  
 AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage.(1 MF).  
 NO - Contains occasional light and broken type  
 DT - K (Program/Project Descriptions)  
 IT - \*Educational Facilities: \*Educational Research: \*Handicapped:  
 \*Nature Centers: \*Outdoor Education: \*Visually Handicapped  
 ST - Nature Trails

AN - ED149885  
 CHAN- RC010265  
 TI - The Development and Evaluation of a Therapeutic Wilderness  
 Program for Problem Youth  
 AU - Porter, William Wales  
 SO - Mar 1975: 2pp  
 - RIE78JUN  
 AV - EDRS Price MF-\$0.83 HC-\$6.01 Plus Postage.(121 MF).  
 NO - MA Thesis, University of Denver  
 DT - T (Theses & Dissertations)  
 IT - Assertiveness: Attitudes: Behavior Change: Environmental  
 Research: Literature Reviews: Masters Theses: Mental Health:  
 Milieu Therapy: \*Outdoor Education: \*Problem Children: \*Program  
 Development: \*Program Evaluation: Questionnaires: Self Esteem:  
 Self Evaluation: \*Therapeutic Environment  
 ST - \*Wilderness: \*Wilderness Experience Program

ORIENTEERING

AN - ED134384  
 CHAN- RC009657  
 TI - Incorporating Orienteering in School Programs  
 AU - Bradford, Douglas  
 OS - New Mexico State Univ., University Park. ERIC Clearinghouse on  
 Rural Education and Small Schools.  
 SPO - National Inst. of Education (DHEW). Washington, D.C.  
 SO - Mar 1977: 36pp  
 - RIE77JUN  
 AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage.(1 MF). National  
 Educational Laboratory Publishers, Inc., 813 Airport Boulevard,  
 Austin, Texas 78702 (Stock No. EC-046, \$3.00)  
 NU - Contract: 400-75-0025  
 DT - G (Guides & Manuals)  
 IT - \*Activity Learning: Course Organization: Definitions: Distance:  
 Educational Equipment: Elementary Education: \*Interdisciplinary  
 Approach: \*Map Skills: \*Outdoor Education: \*Physical Activities:  
 Program Costs: Program Guides: \*Running: Skill Development: Time  
 ST - \*Orienteering



- AN - ED148551
- CHAN- RC010211
- TI - The Great Newbury Marsh Hike
- AU - Blais, Heidi; And Others
- SO - Aug 1974; 42pp
- RIE78MAY
- AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157, Hamilton, Massachusetts 01936 (\$0.75)
- DT - C (Curriculum Materials & Teacher-Developed Materials)
- IT - Bibliographies; Camping; Concept Formation; \*Curriculum Guides; \*Ecology; Environmental Research; \*History; \*Interdisciplinary Approach; Map Skills; Marine Biology; Navigation; \*Outdoor Education; \*Physics; Plant Identification; Secondary Education; Team Training; Teamwork
- ST - Triton Regional High School District MA

- AN - ED148552
- CHAN- RC010312
- TI - The Seacoast as Teacher: A Field Experience. (An Adventure in Learning)
- AU - Marron, Tom
- SO - Aug 1974; 35pp
- RIE78MAY
- AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157, Hamilton, Massachusetts 01936 (\$0.75)
- NO - Curriculum was developed as part of the Cape Ann Investigations - a three week summer workshop
- DT - C (Curriculum Materials & Teacher-Developed Materials)
- IT - Activity Learning; Camping; \*Curriculum Guides; Discovery Learning; Field Trips; Food; Group Activities; \*Interdisciplinary Approach; \*Learning Activities; \*Outdoor Education; Plant Identification; \*Sciences; Secondary Education; Social Sciences; Water Resources
- ST - \*Coastlines; Experiential Learning; \*Rhode Island

- AN - ED148553
- CHAN- RC010312
- TI - Gloucester: Doing and Discovering
- SO - 1976; 7pp
- RIE78MAY
- AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157, Hamilton, Massachusetts 01936 (\$0.50)
- DT - C (Curriculum Materials & Teacher-Developed Materials)
- IT - Activity Learning; \*Curriculum Guides; Educational Objectives; \*English; \*Field Trips; Grade 9; Group Activities; \*Motivation; \*Outdoor Education; Secondary Education; Units of Study; \*Writing Exercises
- ST - \*Experiential Learning; Massachusetts (Gloucester)

## OUTWARD BOUND

AN - ED144754  
CHAN- RC010105  
TI - The Exploration of the Outward Bound Process  
AU - Walsh, Victor; Golins, Gerald  
OS - Colorado Outward Bound School, Denver.  
SO - 1976: 1pp  
- R1E78FEB  
AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage.(38 MF). Colorado  
Outward Bound School, 945 Pennsylvania Street, Denver, Colorado  
80203 (\$2.00)  
DT - R (Research & Technical Reports)  
IT - Achievement: Activities: Adjustment (to Environment): Affective  
Objectives: Cognitive Objectives: Conflict Resolution:  
\*Definitions: \*Educational Methods: \*Educational Objectives:  
Environmental Education: \*Learning Processes: Learning Readiness:  
\*Outdoor Education: Physical Environment: \*Problem Solving:  
Psychomotor Skills: Social Environment  
ST - \*Outward Bound

## PROGRAM DESCRIPTIONS

AN - ED145980  
CHAN- RC010146  
TI - Outdoor Laboratory and Community Nature Center  
AU - Korth, Stephanie H.; Wurster, Stanley R.  
SO - Jul 1977: 1pp  
- R1E78MAR  
AV - EDRS Price MF-\$0.83 HC-\$1.67 Plus Postage.(16 MF).  
DT - K (Program/Project Descriptions)  
IT - Activity Learning: Community Involvement: \*Community Programs:  
\*Curriculum Development: Elementary Secondary Education:  
\*Environmental Education: Interdisciplinary Approach: Learning  
Laboratories: \*Nature Centers: \*Outdoor Education: Program  
Descriptions: Site Development  
ST - \*Arizona (Prescott): Elementary Secondary Education Act Title  
III: \*Outdoor Laboratory and Community Nature Center AZ

AN - ED148514  
CHAN- RC010221  
TI - Milestone 25 (NIU's Outdoor Teacher Education Programs --  
Twenty-five Years of Pioneering). Lorado Taft Field Campus  
Commemorative Brochure  
AU - Peterson, Donald C.; Hammerman, Donald R.  
OS - Northern Illinois Univ., Oregon, Lorado Taft Field Campus.  
SO - Mar 1977: 1pp  
- R1E78MAY  
AV - EDRS Price MF-\$0.83 HC-\$1.67 Plus Postage.(13 MF).  
DT - K (Program/Project Descriptions)  
IT - Curriculum: Faculty: \*Field Experience Programs: Higher  
Education: Laboratory Training: \*Off Campus Facilities: \*Outdoor  
Education: \*Teacher Education: \*Universities  
ST - \*Northern Illinois University

- AN - ED149899
- CHAN- RC010302
- TI - Community Environmental Education Program. Jefferson Union High School District Science Program. 1973-74 School Year
- AU - Taint. Rene
- SO - (1974): 1pp  
- RIE78JUN
- AV - EDRS Price MF-\$0.83 HC-\$1.67 Plus Postage.(23 MF).
- DT - K (Program/Project Descriptions)
- IT - Activity Learning; Budgets; Career Awareness; \*Community Involvement; Concept Formation; \*Course Descriptions; Critical Thinking; Decision Making; Educational Objectives; \*Environmental Education; Evaluation; \*Interdisciplinary Approach; Leadership; \*Outdoor Education; \*Political Issues; Problem Solving; Program Descriptions; Scientific Methodology; Secondary Education; Urban Areas
- ST - \*Experiential Learning

PROGRAM DEVELOPMENT

- AN - ED136998
- CHAN- RC009776
- TI - \* Study of the Effects a Residential Outdoor Education Experience Had on Adults Who Attended a Program in Rockford as Students in 1963 and 1966
- AU - Ward. Mary E.
- SO - (1 Dec 1976): 49pp  
- RIE77AUG
- AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage.(1 MF).
- NO - Term report for "Outdoor Teacher Education 555: Introduction to Educational Research in Outdoor Education"
- DT - R (Research & Technical Reports)
- IT - \*Adults; Attitudes; Elementary Education; Followup Studies; \*Grade 5; Learning Experience; \*Outdoor Education; \*Program Attitudes; \*Program Effectiveness; Questionnaires; \*Resident Camp Programs
- ST - \*Illinois (Rockford)

- AN - ED139590
- CHAN- RC009926
- TI - Hebertisme
- AU - Cousineau. Claude
- OS - Ontario Ministry of Culture and Recreation. Toronto.
- SO - 1976: 2pp  
- RIE77OCT
- AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS.(97 MF). Ontario Government Book Store. 880 Bay Street. Toronto. Ontario. Canada M7A 1N8 (\$0.50)
- DT - C (Curriculum Materials & Teacher-Developed Materials)
- IT - Cartoons; Concept Formation; Definitions; \*Guides; \*Illustrations; \*Outdoor Education; \*Physical Education; \*Program Development; \*Site Development; Site Selection
- ST - Experiential Learning; \*Hebertisme

- AN - ED144777
- CHAN- RC010142
- TI - The Administration of Outdoor Education Programs
- AU - Lewis, Charles A., Jr.
- SO - (1975); 83pp  
- RIE78FEB
- AV - Document Not Available from EDRS. Kendall/Hunt Publishing Company, 2460 Kerper Boulevard, Dubuque, Iowa 52001 (\$3.95)
- DT - B (Books & Texts)
- IT - Concept Formation; \*Curriculum Development; Definitions; Environmental Education; Financial Support; \*Guides; Instructional Materials; Interagency Cooperation; Organization; Orientation Materials; \*Outdoor Education; Planning; \*Program Administration; \*Program Development; Scheduling; Site Selection; \*Teacher Orientation

- AN - ED144785
- CHAN- SE022890
- TI - A System Approach to the Development of a Wildland Setting and Associated Program for Environmental Education
- AU - Prater, Merle Pafford
- SO - (1977); 2pp  
- RIE78FEB
- AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS. (141 MF).
- NO - M.S. Dissertation, Washington State University; Not available in hard copy due to marginal legibility of original document
- DT - T (Theses & Dissertations)
- IT - Conservation Education; \*Curriculum Development; \*Elementary Secondary Education; \*Environmental Education; Masters Theses; \*Outdoor Education; \*Program Development

### PROGRAM EVALUATION

- AN - ED135544
- CHAN- RC009705
- TI - Administrative Procedures for Establishing an Effective Outdoor Program for 5th Grade Students of the Houston Independent School District
- AU - Huckestein, Joseph J.
- SO - 3 Aug 1976; 161pp  
- RIE77JUL
- AV - EDRS Price MF-\$0.83 HC-\$8.69 Plus Postage. (2 MF).
- NO - Practicum Report for Ed.D. degree, Nova University
- DT - R (Research & Technical Reports)
- IT - \*Camping; \*Changing Attitudes; Curriculum Guides; \*Environmental Education; Grade 5; \*Outdoor Education; \*Program Evaluation; Self Concept; \*Student Attitudes
- ST - \*Houston Independent School District TX

- AN - ED139555
- CHAN- RCO09888
- TI - Project BACSTOP. E.S.E.A. Title III. Evaluative Report. 1975-1976
- AU - Snooks, Lee; Long, Daniel
- OS - Battle Creek Public Schools, Mich.
- SPD - Office of Education (DHEW). Washington, D.C. Projects to Advance Creativity in Education.
- SO - 9 Aug 1976; 1pp
- RIE77OCT
- AV - EDRS Price MF-\$0.83 HC-\$4.67 Plus Postage.(84 MF).
- LPA - 88 (Supplementary Centers & Services, PL 88-10, Title III)
- DT - Y (Annuals & Yearbooks)
- IT - \*Behavior Change; \*Biracial Secondary Schools; Black Students; Caucasians; Changing Attitudes; Cognitive Development; Comparative Analysis; Grade 7; Group Relations; \*Interaction Process Analysis; Junior High School Students; \*Outdoor Education; Program Evaluation; \*Race Relations; Secondary Education; Sociometric Techniques
- ST - \*Battle Creek School District MI; Orienteering; \*Project BACSTOP

- AN - ED14:039
- CHAN- RCO09985
- TI - A Review of Research and Evaluation Literature on Outward Bound and Related Educational Programs
- AU - Godfrey, Robert
- SO - 8 Oct 1974; 1pp
- RIE77NOV
- AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS.(22 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 (\$1.00)
- NO - Paper presented at the Conference on Experiential Education ( Estes Park, Colorado, October 8-11, 1974); Parts may be marginally legible due to small print of the original document
- DT - R (Research & Technical Reports)
- IT - Activity Learning; Affective Behavior; Delinquents; \*Educational Programs; Educational Research; \*Evaluation; \*Literature Reviews; Maturation; Measurement; Organizational Change; \*Outdoor Education; Personality Studies; Program Evaluation; Psychological Studies; \*Research; Self Concept; \*State of the Art Reviews; Urban Youth; Validity
- ST - \*Experiential Learning; Outward Bound

PROGRAM PLANNING

- AN - ED139565
- CHAN- RCO09899
- TI - A Planning Guide for Short Backpacking and Ski Touring Courses with Colorado Outward Bound School
- AU - McLeod, Ricki
- OS - Colorado Outward Bound School, Denver.
- SO - Sep 1975; 1pp
- RIE77OCT
- AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS.(66 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 (\$2.00)
- DT - G (Guides & Manuals)
- IT - Accident Prevention; Bibliographies; Charts; Clothing; Creative Activities; Ecology; Environmental Education; First Aid; Food; Geology; Group Experience; \*Guides; History; \*Humanistic Education; Instructional Trips; \*Integrated Activities; Interdisciplinary Approach; Map Skills; Models; Objectives; \*Outdoor Education; Program Evaluation; \*Program Planning; Student Participation; Student Projects; Teacher Responsibility; Teacher Role; Values
- ST - \*Backpacking; Colorado Outward Bound School; Outward Bound; \*Skiing

- AN - ED141021
- CHAN- RCO09957
- TI - Team Reconnaissance: A Process for Involving Teachers in the Preplanning of Experiential Education Projects
- AU - Kielsmeier, Jim
- OS - Colorado Outward Bound School, Denver.
- SO - May 1975; 1pp
- RIE77NOV
- AV - EDRS Price MF-\$0.83 HC-\$1.67 Plus Postage.(12 MF).
- DT - G (Guides & Manuals)
- IT - Activity Learning; Educational Planning; Field Check; Group Activities; Guides; \*Outdoor Education; \*Program Planning; \*Site Selection; \*Teacher Participation; Teacher Responsibility; \*Teamwork
- ST - \*Experiential Learning; Outward Bound; \*Reconnaissance

RECREATION

- AN - ED134414
- CHAN- SE021431
- TI - Recreation Activity Clustering: Behavioral and Management Implications
- AU - Yoesting, Dean R.
- SO - 1975; 29pp
- RIE77JUN
- AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage.(1 MF).
- DT - K (Program/Project Descriptions)
- IT - \*Behavior Patterns; \*Outdoor Education; \*Recreation; \*Recreational Activities; \*Recreational Facilities; Research
- ST - \*Research Reports

- AN - ED137523
- CHAN- CE01036D
- TI - Outdoor Recreation. Curriculum Materials for Agricultural Education
- AU - McElwee, Robert; And Others
- OS - Virginia Polytechnic Inst. and State Univ., Blacksburg. Agricultural Education Program.
- SPD - Virginia State Dept. of Education, Richmond. Agricultural Education Service.
- SO - (1976); 83pp
- RIE77SEP
- AV - EDRS Price MF-\$0.83 HC-\$4.67 Plus Postage.(1 MF).
- NO - Speech presented at a staff development seminar (The Center for Vocational Education, The Ohio State University, Columbus, Ohio, December 1976)
- NU - Report: NRM-1
- LPA - OB (Adult & Voc. Ed., PL 88-210)
- DT - C (Curriculum Materials & Teacher-Developed Materials)
- IT - Agribusiness; \*Agricultural Education; Career Exploration; Curriculum Guides; Management; Natural Resources; Off Farm Agricultural Occupations; Post Secondary Education; \*Recreation; Recreational Facilities; Recreational Programs; Recreation Finances; Recreation Legislation; Teaching Guides; \*Vocational Agriculture; Vocational Education
- ST - \*Outdoor Recreation

### RESIDENTIAL PROGRAMS

- AN - ED134419
- CHAN- SE02:491
- TI - Guide for Self-Appraisal and Certification of Resident Outdoor Environmental Education Programs
- OS - Los Angeles County Superintendent of Schools, Calif.
- SPO - California State Dept. of Education, Sacramento.
- SO - 1975: 89pp  
- RIE77JUN
- AV - EDRS Price MF-\$0.83 HC-\$4.67 Plus Postage.(1 MF).
- DT - G (Guides & Manuals)
- IT - \*Certification; \*Elementary Secondary Education; \*Environmental Education; \*Evaluation; \*Outdoor Education; Program Development; Program Evaluation; Science Education; \*State Standards
- ST - \*California; Resident Outdoor Education

- AN - ED143463
- CHAN- RC009541
- TI - Effects of a Resident Outdoor School Experience Upon Behavior of Selected Fifth Grade Students
- AU - Berry, Christine
- SO - Dec 1973: 191pp  
- RIE78JAN
- AV - Document Not Available from EDRS. Inter-Library Loan.  
- Pennsylvania State University, University Park, Pennsylvania 16802
- NO - MS Thesis, Pennsylvania State University
- DT - T (Theses & Dissertations)
- IT - \*Behavioral Science, Research; \*Behavior Problems; \*Classroom Techniques; Discipline Problems; Discussion (Teaching Technique); \*Elementary Education; Field Instruction; Grade 5; Hypothesis Testing; Learning Readiness; Masters Theses; Multimedia Instruction; \*Outdoor Education; Post Testing; Pretesting; Problem Children; \*Residential Programs; Teaching Methods; Workbooks
- ST - Devereux Elementary School Behavior Rating Scale; Peterson Quay Behavior Problem Checklist; \*State College Area School District PA; Stone Valley Outdoor School PA

### RESOURCE GUIDES

- AN - ED139566
- CHAN- RC009900
- TI - Resource Guide to the Pawnee Grasslands
- AU - Kielsmeier, Jim; And Others
- OS - Colorado Outward Bound School, Denver.
- SO - Aug 1975: 1pp  
- RIE77OCT
- AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS. (35 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 (\$2.00)
- DT - G (Guides & Manuals)
- IT - American Indians; Anthropology; Archaeology; Climatic Factors; \*Environmental Education; Environmental Influences; Field Trips; Geology; History; Information Sources; \*Integrated Activities; \*Interdisciplinary Approach; Land Settlement; Literature; Migration Patterns; Nutrition; \*Outdoor Education; \*Resource Guides; Resource Materials; Unit Plan
- ST - \*Colorado; Logistics; \*Pawnee Grasslands

- AN - ED148554
- CHAN- RC010314
- TI - Treasure Along the Parker River
- AU - Fitzpatrick, Ann-Marie: And Others
- SO - 1976: 52pp
- R1E78MAY
- AV - Document Not Available from EDRS. Project Adventure. P.O. Box 157. Hamilton, Massachusetts 01936 (\$0.75)
- DT - C (Curriculum Materials & Teacher-Developed Materials)
- IT - Activities; Affective Objectives; Art; Cognitive Objectives; \*Cultural Environment; \*Curriculum Guides; Discovery Learning; Educational Objectives; Grade 7; Grade 8; \*Group Activities; History; Instructional Materials; \*Interdisciplinary Approach; Language Arts; Mathematics; \*Outdoor Education; \*Physical Environment; Sciences; Secondary Education; Social Studies; Units of Study
- ST - Experiential Learning; \*Massachusetts

### SENSORY EXPERIENCE

- AN - ED134362
- CHAN- RC009631
- TI - Strategies to Affect Student Sensory Awareness of the Environment in a Rural Schools Setting: Grade Four through Grade Six
- AU - Peters, Richard O.
- SO - Aug 1976: 15pp
- R1E77JUN
- AV - EDRS Price MF-\$0.83 HC-\$1.67 Plus Postage. (1 MF).
- NO - For related documents, see ED 125 838 and RC 009 632
- DT - G (Guides & Manuals)
- IT - \*Activities; Concept Formation; Curriculum Guides; Educational Objectives; \*Elementary Education; Environmental Education; Grade 4; Grade 5; Grade 6; \*Lesson Plans; \*Outdoor Education; Program Descriptions; Rural Areas; \*Rural Schools; \*Sensory Experience
- ST - New Hampshire; \*Proximity

- AN - ED134363
- CHAN- RC009632
- TI - Strategies to Affect Student Sensory Awareness of the Environment in a Rural Schools Setting: Grade Seven through Grade Twelve
- AU - Peters, Richard O.
- SO - Sep 1976: 12pp
- R1E77JUN
- AV - EDRS Price MF-\$0.83 HC-\$1.67 Plus Postage. (1 MF).
- NO - For related documents, see ED 125 838 and RC 009 631
- DT - G (Guides & Manuals)
- IT - \*Activities; Concept Formation; Curriculum Guides; Educational Objectives; Environmental Education; \*Lesson Plans; \*Outdoor Education; Program Descriptions; Rural Areas; \*Rural Schools; \*Secondary Education; \*Sensory Experience
- ST - New Hampshire; \*Proximity



## SITE DEVELOPMENT

- AN - ED139592
- CHAN- RC009928
- TI - The Appalachian Trail: Guidelines for Preservation. Revised May 1977
- OS - Pennsylvania State Univ., University Park. Dept. of Landscape Architecture.
- SPO - Pennsylvania State Dept. of Community Affairs. Harrisburg.
- SO - May 1977; 3pp  
- R1E77OCT
- AV - EDRS Price MF-\$0.83 HC-\$12.71 Plus Postage.(229 MF).
- DT - G (Guides & Manuals)
- IT - Change Strategies; \*Conservation (Environment); Forestry; Geographic Location; Geology; Government Role; Guidelines; Land Acquisition; \*Landscaping; \*Land Use; Maps; Natural Resources; \*Outdoor Education; Physical Design Needs; Preservation; Recreational Facilities; Site Analysis; \*Site Development; Soil Conservation; \*Trails
- ST - \*Appalachian Trail

- AN - ED141953
- CHAN- EA009770
- TI - School Sites: Development and Utilization for Environmental Studies. Project KARE: A National Model for Strengthening Environmental Studies in Local Schools
- AU - Tully, Randolph R., Jr.
- OS - Montgomery County Intermediate Unit 23, Blue Bell, Pa.; Research and Information Services for Education, King of Prussia, Pa.
- SO - 1975; 1pp  
- R1E77DEC
- AV - EDRS Price MF-\$0.83 HC-\$2.06 Plus Postage.(39 MF).
- NO - For a related document, see ED 087 692
- DT - R (Research & Technical Reports)
- IT - \*Activity Learning; Bibliographies; Curriculum Development; Curriculum Guides; Educational Innovation; Elementary Secondary Education; \*Environmental Education; Interdisciplinary Approach; Landscaping; Needs Assessment; \*Outdoor Education; Resource Guides; \*Site Analysis; \*Site Development; Student Participation; Trails

TEACHING GUIDES

AN - ED144824  
CHAN- SE023114  
TI - Instructional Guide for Outdoor Education, K-3. Wausau District  
Public Schools; Wausau, Wisconsin  
AU - Curtis, Hugh; And Others  
OS - Wausau District Public Schools, Wis.  
SO - 1970; 2pp  
- R1E78FEB  
AV - EDRS Price MF-\$0.83 Plus Postage. HC Not Available from EDRS. (111  
MF).  
NO - For related document, see SE 023 115; Not available in hard copy  
due to marginal legibility of original document  
DT - G (Guides & Manuals)  
IT - \*Conservation Education; \*Elementary School Science;  
\*Environmental Education; Instructional Materials; Learning  
Activities; \*Outdoor Education; Primary Education; Resources;  
Science Activities; Science Education; \*Teaching Guides

AN - ED144825  
CHAN- SE023115  
TI - Wausau District Public Schools Outdoor Education Camp Director's  
Manual  
AU - Curtis, Hugh  
OS - Wausau District Public Schools, Wis.  
SO - 1971; 1pp  
- R1E78FEB  
AV - EDRS Price MF-\$0.83 HC-\$3.50 Plus Postage. (66 MF).  
NO - For related document, see SE 023 114; Contains occasional light  
and broken type  
DT - G (Guides & Manuals)  
IT - Camping; \*Conservation Education; Elementary Education;  
\*Environmental Education; \*Instructional Materials; Learning  
Activities; Nature Centers; \*Outdoor Education; Science  
Education; \*Teaching Guides

OUTDOOR EDUCATION  
A SELECTED BIBLIOGRAPHY  
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Key to Citations

- AN Accession Number: identifying number assigned to documents and/or journal articles as they are processed
- CHAN Clearinghouse Accession Number
- TI Title
- AU Author
- OS Organizational Source
- SO Source (as from a journal)
- DT Document Type
- IT Index Terms
- ST Supplementary Terms - identifiers not found in Thesaurus of ERIC Descriptors
- AB Abstract
- ( ) Abstractor's initials always placed at end of abstract

Sample Citation

- AN - EJ160949
- CHAN - SE519190
- TI - GRASSES AND WEEDS
- AU - MCINTYRE, MARGARET, ED.
- SO - SCIENCE AND CHILDREN: 14: 7: 28-29 (APR 1977)  
- CIJE77
- IT - \*BOTANY: \*EARLY CHILDHOOD EDUCATION: \*ELEMENTARY SCHOOL  
SCIENCE: ELEMENTARY EDUCATION: INSTRUCTIONAL MATERIALS:  
\*OUTDOOR EDUCATION: PRIMARY EDUCATION: \*SCIENCE ACTIVITIES:  
SCIENCE EDUCATION: \*WEEDS
- AB - SUGGESTS OUTDOOR ACTIVITIES THAT INVOLVE SMALL GROUPS OF  
CHILDREN IN DISCOVERIES ABOUT GRASSES AND WEEDS. INCLUDED  
ARE ACTIVITIES WITH DANDELIONS, PLANTAINS, CHICKWEED,  
CLOVER AND FESCUE. (CS)

- AN - EJ160949  
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 TI - GRASSES AND WEEDS  
 AU - MCINTYRE, MARGARET, ED.  
 SO - SCIENCE AND CHILDREN: 14: 7: 28-29 (APR 1977)  
 - CIJE77  
 IT - \*BOTANY: \*EARLY CHILDHOOD EDUCATION: \*ELEMENTARY SCHOOL SCIENCE;  
 ELEMENTARY EDUCATION: INSTRUCTIONAL MATERIALS; \*OUTDOOR  
 EDUCATION: PRIMARY EDUCATION: \*SCIENCE ACTIVITIES; SCIENCE  
 EDUCATION: \*WEEDS  
 AB - SUGGESTS OUTDOOR ACTIVITIES THAT INVOLVE SMALL GROUPS OF CHILDREN  
 IN DISCOVERIES ABOUT GRASSES AND WEEDS. INCLUDED ARE ACTIVITIES  
 WITH DANDELIONS, PLANTAINS, CHICKWEED, CLOVER AND FESCUE. (CS)
- AN - EJ162873  
 CHAN- RC502508  
 TI - "IF YOU KNOW SUMAC...LIKE I KNOW SUMAC..."  
 AU - DEMSKE, DEBBIE  
 SO - COMMUNICATOR: 8: 2: 12-14 (SPR-SUM 1977)  
 - CIJE77  
 IT - \*BOTANY: \*ENVIRONMENTAL EDUCATION: \*OUTDOOR EDUCATION: PLANT  
 IDENTIFICATION: \*TREES: \*USE STUDIES  
 ST - \*SUMAC  
 AB - SUMAC CAN BE USED IN EVERY SEASON TO REPRESENT SUCH CONCEPTS AS  
 SPECIES VARIATION, THE FOOD WEB, AND NATURAL FOODS AND DYES. THIS  
 ARTICLE BRIEFLY DISCUSSES THE SUMAC FAMILY, THE RELATIONSHIP OF  
 THE CARPENTER BEE (CERATINA DUPLA) AND THE STAGHORN SUMAC, AND  
 THE USES OF THE SUMAC IN THE KITCHEN AND THE CRAFTSMAN. (NO)
- AN - EJ162876  
 CHAN- RC502511  
 TI - SPRING FLOWERS--THE HARVEST OF A SENSITIVE EYE  
 AU - LEVIN, TED  
 SO - COMMUNICATOR: 8: 2: 29-34 (SPR-SUM 1977)  
 - CIJE77  
 IT - \*BOTANY: \*ENVIRONMENTAL EDUCATION: \*OUTDOOR EDUCATION: \*PLANT  
 IDENTIFICATION  
 AB - TWELVE FLOWERS ARE DESCRIBED IN THE ORDER OF THEIR APPEARANCE IN  
 THE SPRING. DRAWINGS COMPLIMENT THE TEXT. FLOWERS ARE THE  
 HEPATICA, BLOODROOT, RED TRILLIUM, WILD GINGER, MARSH MARIGOLD,  
 JUNE BERRY, SHADBUSH, WILD IRIS, CLINTONIA, STARFLOWER, LABRADOR  
 TEA, BUNCHBERRY, AND PARTRIDGE BERRY. (NO)
- AN - EJ174181  
 CHAN- RC502714  
 TI - Deciduous Plant Twigs in Winter  
 AU - Clark, Eloise  
 SO - Communicator: 9: 1: 5-12 (F-Win 1977)  
 - CIJE78  
 IT - \*Environmental Education: \*Illustrations: \*Outdoor Education;  
 \*Plant Identification: Plant Science  
 AB - Describing, via illustration and narrative, the winter twigs  
 found in the U.S...this article presents a sophisticated  
 discussion of: beech, white ash, aspen, sycamore, red oak,  
 butternut, and other winter twigs. (JC)

- AN - EJ174184
- CHAN- RC502717
- TI - Diazo Leaves
- AU - Loughlin, William A.
- SO - Communicator: 9: 1: 22-4 (F-Win 1977)  
- CIJE78
- IT - Classroom Techniques: \*Development: \*Outdoor Education: \*Plant Identification: \*Transparencies: \*Teaching Methods: Visual Aids
- ST - \*Diazo Leaves
- AB - The methodology for developing and using diazo leaves as a means of instruction in the classroom is described. (JC)

### CAMPING

- AN - EJ159917
- CHAN- AA525956
- TI - USE THE GREAT OUTDOORS FOR A CLASSROOM
- AU - DEMERS, JOSEPH L.; GRAHAM, ALDYTH
- SO - INSTRUCTOR; B6: 6: 98-102 (FEB 1977)  
- CIJE77
- IT - \*CAMPING; \*EDUCATIONAL OBJECTIVES; \*ELEMENTARY SCHOOL STUDENTS; FOOD: GUIDELINES; ILLUSTRATIONS; \*INSTRUCTIONAL TRIPS; \*OUTDOOR EDUCATION
- AB - MORE AND MORE SCHOOLS ARE MAKING CAMPING PART OF THE CURRICULUM. WHETHER YOU AND YOUR CLASS TAKE A SIMPLE OVERNIGHT OR A WEEK-LONG TREK INTO THE WILDS, YOU'LL FIND HELP AND ENCOURAGEMENT IN THESE THREE ARTICLES. (EDITOR/RK)

- AN - EJ152877
- CHAN- RC502512
- TI - THE ADVENTURES OF A FLEDGLING OUTDOOR EDUCATOR OR HOW KIDS CHANGED MY PLANS!!
- AU - COMIS, DONALD L.
- SO - COMMUNICATOR: 8: 2: 35-8 (SPR-SUM 1977)  
- CIJE77
- IT - \*BEGINNING TEACHERS; \*CAMPING; ENVIRONMENTAL EDUCATION; \*NATURE CENTERS; \*OUTDOOR EDUCATION
- AB - THE ARTICLE DISCUSSES THE PROBLEMS AND EXPERIENCES OF A BEGINNING TEACHER WHO IS CONDUCTING AN OUTDOOR EDUCATION EXPERIENCE FOR THE FIRST TIME. (NQ)

- AN - EJ166504
- CHAN- RC502575
- TI - Camp Tawingo. A Private Camp Serving Public Outdoor Education Needs in Ontario
- AU - Magee, Clare
- SO - Journal of Outdoor Education: 12: 1: 19-23 (1977)  
- CIJE78
- IT - \*Camping; Educational Philosophy; \*Outdoor Education; \*Program Descriptions; Program Length; \*Resident Camp Programs
- ST - Canada; \*Ontario; \*Tawingo Outdoor Centre
- AB - Begun as a summer camp in 1961, Camp Tawingo operates year-round in the province of Ontario. This article discusses the Camp's history, development, philosophy, objectives, location, seasonal schedule, staff, and uses by schools and other groups. (NQ)

- AN - EJ174190
- CHAN- RC502723
- TI - The Development of a Positive Self-Image through Resident Camping Experiences
- AU - Miller, Rex A.
- SO - Communicator: 9. 1: 48-50 (F-Win 1977)
- CIJE78
- IT - \*Camping: Discovery Learning: Improvement: \*Outdoor Education: \*Positive Reinforcement: Residential Centers: \*Socialization: \*Self Concept: \*Skill Development
- ST - \*Experiential Learning
- AB - The extended resident outdoor education experience is one of the most successful ways for an individual to have consistent positive experiences in terms of learning, socialization, and growth of self-concept. (Author/JC)

- AN - EJ174441
- CHAN- SE520856
- TI - Wilderness as a Living Classroom
- AU - Rowell, Gaien
- SO - Sierra Club Bulletin: 63: 1: 24 (Jan 1978)
- CIJE78
- IT - \*Camping: Conservation Education: \*Elementary Education: Ecology: \*Environmental Education: Field Trips: \*Natural Resources: \*Outdoor Education: Reference Materials: Science Education
- ST - Wilderness
- AB - Students at a California elementary school spent three days on a coastal wilderness trip where they learned about the history and ecological relationships of the area. Children assumed the responsibility for camp chores and disciplined themselves to fit their natural surroundings. Personal awareness of the natural environment was stressed. (MA)

### CURRICULUM DEVELOPMENT

- AN - EJ162878
- CHAN- RC502513
- TI - ONE DAY AWAY
- AU - SMITH, BRUCE G.
- SO - COMMUNICATOR: 8: 2: 39-40 (SPR-SUM 1977)
- CIJE77
- IT - \*LEARNING ACTIVITIES: \*LEARNING EXPERIENCE: LAND USE: \*OUTDOOR EDUCATION: \*PLANNING: PROGRAM CONTENT: SCHOOL COMMUNITY COOPERATION
- AB - THROUGH CAREFUL PLANNING, A LITTLE IMAGINATION, AND UTILIZATION OF ALL THE RESOURCES AVAILABLE IN THE AREA, A ONE-DAY OUTDOOR EDUCATION DAY CAN PROVIDE MEANINGFUL, DIRECT, FIRST-HAND LEARNING EXPERIENCES THAT CAN SERVE AS A SPRINGBOARD FOR INTERESTING, RELEVANT, LONG-TERM STUDY BOTH IN THE CLASSROOM AND IN THE OUTDOORS. (AUTHOR/NO)

AN - EJ166503  
CHAN- RC502574  
TI - Outdoor/Environmental Education in Manitoba  
AU - Seim, Stuart S.  
SO - Journal of Outdoor Education: 12: 1: 17-18 (1977)  
- CIJE78  
IT - \*Curriculum Development; \*Environmental Education; Financial Support; Foreign Countries; \*Outdoor Education; Professional Training  
ST - \*Manitoba

### DEATH

AN - EJ159905  
CHAN- AA525944  
TI - OUTDOOR EDUCATION AND DEATH.  
AU - HAUSE, KENNETH  
SO - INDEPENDENT SCHOOL: 36: 3: 43-4 (FEB 1977)  
- CIJE77  
IT - \*DEATH; GROUP EXPERIENCE; \*OUTDOOR EDUCATION; \*PARENT SCHOOL RELATIONSHIP; PRIVATE SCHOOLS; STUDENT TEACHER RELATIONSHIP; \*STUDENT EXPERIENCE; TEACHER ATTITUDES  
AB - FOR OVER 20 YEARS A TEACHER FROM THE COLORADO ROCKY MOUNTAIN SCHOOL, CARBONDALE, COLORADO, HAS BEEN LEADING HIS STUDENTS THROUGH OUTDOOR TRIPS. HERE HE SHARES HIS THOUGHTS ON OUTDOOR EDUCATION AND WHAT HAPPENS WHEN A DEATH OCCURS ON A SCHOOL TRIP BY ASKING QUESTIONS AND GIVING ANSWERS FROM HIS EXPERIENCE. (AUTHOR/RK)

### ECOLOGY

AN - EJ159428  
CHAN- SE518923  
TI - BUILDING AN ECOLOGICAL CONSCIENCE  
AU - KENDALL, DAVID L.  
SO - SCIENCE AND CHILDREN: 14: 6: 25-27 (MAR 1977)  
- CIJE77  
IT - COURSE DESCRIPTIONS; \*ELEMENTARY SECONDARY EDUCATION; \*ECOLOGY; \*FIELD STUDIES; \*INSTRUCTION; JUNIOR HIGH SCHOOL STUDENTS; \*OUTDOOR EDUCATION; SCIENCE ACTIVITIES; SCIENCE EDUCATION; STUDENT ATTITUDES  
AB - DESCRIBES AN OUTDOOR SCIENCE PROJECT FOR JUNIOR HIGH STUDENTS THAT DEEPLY INVOLVES THE OBSERVER WITH THE NATURAL ENVIRONMENT HE IS OBSERVING. LISTS TEACHING TACTICS THAT PROMOTE DEEP STUDENT AWARENESS OF THE ENVIRONMENT. DESCRIBES FOUR INTRODUCTORY ACTIVITIES AND AN EXAMPLE OF AN INVESTIGATION THAT MIGHT NORMALLY GROW OUT OF AN INTRODUCTORY ACTIVITY. (CS)



AN - EJ176866  
CHAN- AA527672  
TI - Classroom In the Cactus  
AU - Stocker, Joseph  
SO - American Education: 13: 10: 6-11 (Dec 1977)  
- CIJE78  
IT - Bias; \*Conservation Education; \*Educational Programs; \*Ecology;  
Illustrations; \*Learning; \*Museums; \*Outdoor Education; Volunteer  
Training; Zoos  
ST - \*Arizona Sonora Desert Museum  
AB - The Arizona-Sonora Desert Museum uses such quaint teaching tools  
as the Gila monster and the boojum tree to tell the story of its  
vast and fascinating but often misunderstood desert environment.  
(Editor)

AN - EJ179808  
CHAN- SE519983  
TI - OBIS + Kids = Activity  
AU - Murtha, Kathleen T.  
SO - American Biology Teacher: 39: 7: 439,454 (Oct 1977)  
- CIJE78  
IT - \*Ecology; \*Environmental Education; Elementary School Science;  
Grade 7; \*Junior High School Students; Outdoor Education;  
\*Science Activities; \*Science Course Improvement Project; Science  
Education; Science Materials  
ST - \*Outdoor Biology Instructional Strategies; OBIS  
AB - This article introduces the reader to Outdoor Biology  
Instructional Strategies (OBIS) materials. These materials are  
designed to teach children an understanding of basic ecological  
relationships. One teacher's use of OBIS materials with 7th  
graders is described. (MR)

## ENVIRONMENTAL EDUCATION

AN - EJ172461  
CHAN- SE520375  
TI - Source Guide for Park Resource Interpreters  
AU - Hanna, John W.; Mullins, Gary W.  
SO - Journal of Environmental Education: 9: 1: 4-22 (1977)  
- CIJE78  
IT - \*Bibliographies; \*Directories; \*Environmental Education; Guides;  
Instructional Materials; \*Outdoor Education; Publications;  
\*Parks; \*Resource Materials; Reference Materials  
AB - This source guide is the result of a larger study done to assess  
information about the new field of park resource interpretation.  
It contains those sources identified by a random sample of  
persons in the field. The bibliography is divided into 11  
categories and includes the usual bibliographic information. (MA)

AN - EJ174182  
CHAN- RC502715  
TI - Fooling Mother Nature  
AU - Loeven, Colleen  
SO - Communicator: 9: 1: 13-4 (F-Win 1977)  
- CIJE78  
IT - \*Animal Behavior; \*Environmental Education; \*Food; \*Outdoor  
Education; \*Observation  
ST - \*Birdwatching  
AB - An unusual innovation that has been used at Dover Plains  
Environmental Education Center and which involves a scarecrow is  
described in this article on birdwatching. (JC)

AN - EJ174185  
CHAN- RC502718  
TI - Backyard Bird Photography  
AU - DeMayo, Cliff  
SO - Communicator: 9: 1: 25-8 (F-Win 1977)  
- CIJE78  
IT - \*Environmental Education; Food; Illustrations; \*Methods; \*Outdoor  
Education; \*Photographic Equipment; \*Photography  
ST - \*Birdwatching  
AB - Equipment and methodology are discussed in this article on  
photographing birds. (JC)

AN - EJ178454  
CHAN- SE52:385  
TI - So You Want to Teach Outdoors  
AU - Cummings, Stanley L.  
SO - American Biology Teacher: 40: 3: 172-4 (Mar 1978)  
- CIJE78  
IT - Biological Sciences; \*Career Opportunities; \*Environmental  
Education; Ecology; Natural Sciences; \*Outdoor Education; \*Parks;  
Science Education; \*Teachers  
AB - Discusses how to get a job in academic outdoor education,  
particularly at the Yosemite Institute. (BB)

## EXPERIENTIAL LEARNING

AN - EJ162874  
CHAN- RC502509  
TI - EDUCATION FOR RESOURCEFUL LIVING  
AU - MULKEEN, THOMAS A.  
SO - COMMUNICATOR: 8: 2: 15-19 (SPR-SUM 1977)  
- CIJE77  
IT - \*ALTERNATIVE SCHOOLS; \*ENVIRONMENTAL EDUCATION; EDUCATIONAL  
ALTERNATIVES; FUTURES (OF SOCIETY); \*HIGHER EDUCATION;  
\*HUMANISTIC EDUCATION; \*LABORATORY TRAINING; \*OUTDOOR EDUCATION;  
PROGRAM DESCRIPTIONS  
ST - \*EXPERIENTIAL LEARNING  
AB - THE CENTER FOR RESOURCEFUL LIVING AT NORTH ADAMS STATE COLLEGE  
WAS DEVELOPED TO TEACH STUDENTS THE SKILLS THAT WILL ALLOW THEM  
TO BECOME MORE SELF-SUFFICIENT PROVIDING THEIR FOOD, ENERGY, AND  
SHELTER NEEDS, AS WELL AS VALUES THAT WILL SERVE AS GUIDES IN  
DEVELOPING A SATISFYING, HEALTHY AND MEANINGFUL LIFE. (NQ)

- AN - EJ179682
- CHAN- RC502838
- TI - Challenging the Past, Present, & Future: New Directions in Education
- AU - Shore, Arnold; Greenberg, Ethel
- SO - Journal of Experiential Education: 1: 1: 42-6 (1978)  
- CIJE78
- IT - \*Educational History: \*Educational Trends: \*Educational Experience: Educational Development: \*Futures (of Society): \*Outdoor Education: Relevance (Education)
- ST - \*Experiential Learning
- AB - The two-part article focuses on where we've been, where we are, and where we're heading in experiential education. (Author/NO)

### FIELD TRIPS

- AN - EJ165250
- CHAN- AA526358
- TI - Putting the "Field" Back into the Field Trip
- AU - Canas, Roger
- SO - Instructor: 86: 8: 50 (Apr 1977)  
- CIJE78
- IT - Creative Teaching: Educational Resources: \*Field Trips: \*Outdoor Education: \*Science Activities

- AN - EJ178363
- CHAN- SE520925
- TI - Field Projects in the High School Earth Science Course
- AU - VanZant, Kent
- SO - Journal of Geological Education: 25: 3: 85-6 (May 1977)  
- CIJE78
- IT - \*Earth Science: \*Field Studies: \*Field Trips: \*Geology: \*Outdoor Education: \*Secondary School Science: Science Activities: Science Education: Science Units: Secondary Education
- AB - Discusses the advantages and disadvantages of incorporating field projects into secondary level earth science courses. (SL)

### HANDICAPPED

- AN - EJ155629
- CHAN- PS505446
- TI - DESIGNING A SPECIAL PLAYGROUND
- AU - GILLET, PAMELA
- SO - CHILDREN TODAY: 6: 1: 13-17 (JAN/FEB 1977)  
- CIJE77
- IT - EDUCATIONAL ENVIRONMENT: \*EARLY CHILDHOOD EDUCATION: EXCEPTIONAL STUDENTS: \*HANDICAPPED CHILDREN: MODELS: \*OUTDOOR EDUCATION: \*PHYSICAL DEVELOPMENT: \*PLAYGROUNDS: SCHOOL ARCHITECTURE
- AB - DESCRIBES HOW TEACHERS AND STUDENT ARCHITECTS PLANNED AN INNOVATIVE OUTDOOR LEARNING AREA FOR TRAINABLE MENTALLY HANDICAPPED AND PRESCHOOL MULTIPLY-HANDICAPPED CHILDREN. (BF/JH)

AN - EJ173316  
 CHAN- CS710668  
 TI - The Acorn People  
 AU - Jones, Ron  
 SO - Media and Methods; 14: 5: 24-32,50-1 (Jan 1978)  
 - CIJE78  
 IT - Camp Counselors; \*Exceptional Child Services; Elementary Education; \*Handicapped Children; \*Outdoor Education; \*Recreational Programs  
 AB - Describes the personal reflections of a camp counselor on working with severely handicapped youngsters. (KS)

AN - EJ174183  
 CHAN- RC502716  
 TI - Walden-in-the-Woods  
 AU - Christenson, Gary  
 SO - Communicator; 9: 1: 15-21 (F-Win 1977)  
 - CIJE78  
 IT - \*Activities; Educational Objectives; Learning Disabilities; \*Outdoor Education; \*Program Descriptions; \*Regular Class Placement; \*Special Education  
 ST - \*Mainstreaming  
 AB - Describing a program aimed at learning disabled boys aged 11-15, this article presents the program's purpose and goals (mainstreaming), activities, and main focus (a maple syrup operation and guide development project). (JC)

AN - EJ176548  
 CHAN- SP506782  
 TI - Discovery Through Outdoor Education  
 AU - Kaherl, Kristy  
 SO - Journal of Physical Education and Recreation; 49: 1: 29 (Jan 1978)  
 - CIJE78  
 IT - \*Adapted Physical Education; Elementary Secondary Education; \*Field Experience Programs; \*Outdoor Education; Program Descriptions; \*Trainable Mentally Handicapped  
 ST - Macomb Intermediate School District (Michigan)  
 AB - The outdoor education program of the Macomb Intermediate School District (Michigan) enables trainable and severely mentally impaired students to experience many of the outdoor activities previously restricted to normally intelligent students. (MJB)

AN - EJ178250  
 CHAN- RC502805  
 TI - Practices and Trends in Outdoor Education for Exceptional Children; A Look at Mainstreaming  
 AU - Kingsley, Ronald F.; And Others  
 SO - Education; 98: 3: 353-3 (Mar/Apr 1978)  
 - CIJE78  
 IT - \*Educational Trends; \*Exceptional Persons; \*Educational Practice; \*Outdoor Education; \*Regular Class Placement  
 ST - \*Mainstreaming; Ohio  
 AB - Current practices and trends in outdoor education with exceptional children in 41 county and city school systems in Ohio were explored. Information was obtained on the type and degree of mainstreaming taking place. The results were then compared to a study conducted eight years ago. (Author/NQ)

HIGHER EDUCATION

- AN - EJ176550  
CHAN- SP506784  
TI - Integrating Natural and Human Environments  
AU - Keating, Lou Ann; And Others  
SO - Journal of Physical Education and Recreation; 49: 1: 33-4 (Jan 1978)  
- CIJE78  
IT - \*College Programs; Females; \*Outdoor Education; Program Descriptions; \*Personal Growth; Program Evaluation; \*Weekend Programs  
AB - Participant and facilitator evaluation of a weekend residential outdoor experience for college women indicated that the goals of interpersonal, intrapersonal, intellectual, and physical growth were met. (MJB)

- AN - EJ176551  
CHAN- SP506785  
TI - Status of Outdoor Education Degree Programs  
AU - Bachert, Russel E., Jr.  
SO - Journal of Physical Education and Recreation; 49: 1: 35 (Jan 1978)  
- CIJE78  
IT - \*Conservation Education; \*Degree Requirements; \*Environmental Education; Higher Education; National Surveys; \*Outdoor Education  
AB - The author presents in question and answer format the findings of a survey of outdoor education degree programs offered in higher education. (MJB)

- AN - EJ179680  
CHAN- RC502836  
TI - Experiencing History  
AU - Crew, Adolf; And Others  
SO - Journal of Experiential Education; 1: 1: 29-37 (1978)  
- CIJE78  
IT - \*College Curriculum; \*Cultural Environment; Educational Innovation; \*Interdisciplinary Approach; Local History; \*Outdoor Education; \*State History; Teaching Methods.  
ST - \*Alabama; \*Experiential Learning  
AB - An innovative graduate course in education devoted to the development of techniques utilizing direct experience in the history curriculum, the 6-weekend course took a level of local cultural history each weekend, showed how that culture related to and changed the land, and whenever possible, communicated that with experiential learning. (NQ)

LAND USE

- AN - EJ176319
- CHAN- SE521117
- TI - School Site Action in Michigan: Land--The Unused Textbook
- AU - Hendrix, Eunice
- SO - Nature Study: 31: 1: 7-8 (1977)  
- CIJE78
- IT - \*Board Of Education Policy; Conservation Education; Ecology;  
\*Environmental Education; \*Facilities; \*Land Use; Natural  
Resources; \*Outdoor Education; \*Site Development; Science  
Education; Values
- AB - This article is concerned with the educational use of school  
owned land. The Ann Arbor, Michigan School Site Policy is  
discussed in detail. The goal of this policy statement is to  
encourage land use as a classroom to teach students the  
ecological principles that govern their survival on earth. (MA)

- AN - EJ179679
- CHAN- RC502835
- TI - The Outlook for Educational Use of Public Wildlands
- AU - Meyer, Dan
- SO - Journal of Experiential Education: 1: 1: 16-20 (1978)  
- CIJE78
- IT - \*Conservation (Environment); Depleted Resources; \*Educational  
Environment; Educational Alternatives; \*Land Use; \*Outdoor  
Education; \*Use Studies
- ST - \*Experiential Learning; \*Wilderness
- AB - The article defines and explores the problems concerning use of  
public lands by organized groups and makes recommendations for  
increasing the likelihood of continued use in the future. (NQ)

MARINE BIOLOGY

- AN - EJ162872
- CHAN- RC502507
- TI - THE SEINE NET--AN OVERLOOKED ENVIRONMENTAL TESTING TOOL
- AU - DUPONT, SIDNEY I.
- SO - COMMUNICATOR: 8: 2: 7-11 (SPR-SUM 1977)  
- CIJE77
- IT - \*BIOLOGICAL SCIENCES; \*ENVIRONMENTAL EDUCATION; \*MARINE BIOLOGY;  
NATURAL RESOURCES; \*OUTDOOR EDUCATION
- AB - THROUGH SEINING INDIVIDUALS, FAMILIES, CAMPS, AND SCHOOLS CAN  
CONTINUINGLY TEST THE AQUATIC LIFE JUST BEYOND THE WATERLINE.  
THIS ARTICLE DISCUSSES THE PROCESS OF USING A SEINE NET AND WHAT  
CAN BE FOUND IN THE NET. (NQ)

- AN - EJ174187
- CHAN- RC502720
- TI - Marine Organisms on a Rock Jetty
- AU - Etri. Lawrence R.
- SO - Communicator: 9: 1: '32-6 (F-Win 1977)
- CIJE78
- IT - \*Ecology: \*Illustrations: \*Marine Biology: \*Outdoor Education:  
\*Soil Science: \*Taxonomy
- AB - The merit of exploring an intertidal jetty sound is described in terms of the marine organisms living in the jetty's algal zones: calothrix, enteromorpha, and fucus zones. (JC)

### NATURAL RESOURCES

- AN - EJ162871
- CHAN- RC502506
- TI - LONG ISLAND--"ISLE OF SWEET BROOKS" AND OTHER HABITATS
- AU - WHEAT. MAXWELL CORYDON. JR.
- SO - COMMUNICATOR: 8. 2: 2-6 (SPR-SUM 1977)
- CIJE77
- IT - \*ENVIRONMENT: ENVIRONMENTAL INFLUENCES: \*NATURAL RESOURCES:  
\*OUTDOOR EDUCATION
- ST - \*NEW YORK (LONG ISLAND)
- AB - THE ARTICLE PRESENTS AN OVERVIEW OF LONG ISLAND AND SOME OF ITS DIFFERENT HABITATS. I.E.. THE PINE BARRENS. THE SALT MARCHES. THE NORTH SHORE CLIFFS, AND THE CAROLINIAN AND ALLEGHENIAN ZONES. (NQ)

- AN - EJ162875
- CHAN- RC502510
- TI - EXPLORING A BEACH AND BEACH-COMBING PROJECTS
- AU - WHITE. SHELLEY
- SO - COMMUNICATOR: 8. 2: 20-2 (SPR-SUM 1977)
- CIJE77
- IT - CREATIVE ACTIVITIES: ENVIRONMENTAL EDUCATION: \*LEARNING  
ACTIVITIES: \*NATURAL RESOURCES: \*OUTDOOR EDUCATION: \*STUDENT  
PROJECTS
- AB - ONE OF THE MOST EXCITING PROJECTS A TEACHER, PARENT, ARTIST, OR NATURALIST CAN SHARE WITH OTHERS IS BEACHCOMBING AND MAKING SOMETHING LASTING WITH THE TREASURES FOUND. THIS ARTICLE DISCUSSES SAND PROJECTS, SAND PAINTING, SAND CASTING, SAND CAST CANDLES, SEA MOBILES, SEAWEED COLLECTIONS, FISH PRINTING, AND REED AND GRASS PRINTING. (NQ)

PHYSICAL EDUCATION

- AN - EJ160943  
CHAN- SE519184  
TI - CATCH THAT BUTTERFLY!  
AU - SCHUBERT, WILLIAM  
SO - SCIENCE AND CHILDREN: 14: 7: 14-15 (APR 1977)  
- CIJE77  
IT - \*ELEMENTARY EDUCATION: \*ELEMENTARY SCHOOL SCIENCE: \*INSTRUCTIONAL MATERIALS: \*OUTDOOR EDUCATION: \*PHYSICAL ACTIVITIES: \*SCIENCE ACTIVITIES: SCIENCE EDUCATION  
AB - GIVES EXAMPLES OF ACTIVE LEARNING EXPERIENCES FOR CHILDREN IN AN OUTDOOR SETTING. DISCUSSED ARE IDEAS FOR ROLE-PLAYING AND ACTIVE PHYSICAL INVOLVEMENT. (CS)

- AN - EJ176549  
CHAN- SP506782  
TI - Adventure Programming--Wilderness and Urban  
AU - Schafermeyer, Hank  
SO - Journal of Physical Education and Recreation: 49: 1: 30-2 (Jan 1978)  
- CIJE78  
IT - \*Field Experience Programs: \*Outdoor Education: \*Physical Education: \*Urban Environment  
ST - \*Adventure Planning: \*Wilderness Activities  
AB - The author briefly discusses the philosophy of adventure programming, presents illustrations of its application in wilderness areas, and suggests ways that it may be modified for urban environments. (MJ3)

- AN - EJ177645  
CHAN- EA509728  
TI - A New Look Through Outdoor Pursuits  
AU - Mand, Charles L.  
SO - NASSP Bulletin: 62: 418: 20-2 (May 1978)  
- CIJE78  
IT - Elementary Secondary Education: \*Educational Programs: \*Outdoor Education: \*Physical Education: Recreational Activities  
AB - Outdoor physical activities programs are feasible extensions of physical education. This article offers answers to some school organizational concerns about outdoor education, including liability, financing, scheduling, and transportation. (Author/DS)



PROGRAM DESCRIPTIONS

AN - EJ160838  
 CHAN- RC502434  
 TI - READING INSTRUCTION IN THE OUT-OF-DOORS. AN EXAMPLE OF AN INDIVIDUAL EFFORT TO IMPROVE INSTRUCTION  
 AU - MARTURANO, ARLENE  
 SO - JOURNAL OF OUTDOOR EDUCATION: 11: 2: 21-5 (1977)  
 - CIJE77  
 IT - \*EDUCATIONAL ALTERNATIVES: \*GRADE 5: INSTRUCTIONAL MATERIALS: \*LESSON PLANS: \*OUTDOOR EDUCATION: PROGRAM DESCRIPTIONS: \*READING INSTRUCTION: READING DIFFICULTY  
 AB - DESCRIBING AN OUTDOOR ORIENTED READING PROGRAM DESIGNED FOR CHILDREN (GRADE 5) WITH READING DIFFICULTIES. THIS ARTICLE PRESENTS 8 SAMPLE READING LESSONS FOR AN ALTERNATIVE READING PROGRAM. (JC)

AN - EJ163547  
 CHAN- AA526502  
 TI - The Busiest Outdoor School  
 AU - Marcovich, Sharon J.  
 SO - American Education: 13: 4: 28-30 (May 1977)  
 - CIJE78  
 IT - \*Environmental Education: Educational Objectives: Females: Illustrations: \*Learning Activities: \*Outdoor Education: \*Program Descriptions: Program Costs: \*Student Participation  
 ST - \*Environmental Learning Center  
 AB - Training people to become self-sufficient doers instead of remaining passive watchers is the aim of the Environmental Learning Center in Minnesota's far north woods. (Editor)

AN - EJ166570  
 CHAN- SE519856  
 TI - YCC: A Recipe for Youth Development  
 AU - Matthews, Bruce E.; Yagle, Charles H.  
 SO - Conservationist: 32: 3: 11-12 (Sep/Oct 1977)  
 - CIJE78  
 IT - Conservation Education: \*Environmental Education: \*Outdoor Education: \*Program Descriptions: \*Resident Camp Programs: \*Secondary Grades: Secondary School Students: Youth Employment: Youth Programs  
 ST - \*Youth Conservation Corps: YCC  
 AB - A YCC project to improve and finish a complete outdoor education center is described. The program and objectives are outlined. Methods of evaluating the students experiences are listed. Testing showed that the students attitudes toward themselves, peers, and the environment became more positive. (AJ)

AN - EJ166571  
 CHAN- SE519857  
 TI - Training New York's Bowhunters  
 AU - Kelsey, Paul  
 SO - Conservationist: 32: 3: 32-33 (Sep/Oct 1977)  
 - CIJE78  
 IT - \*Archery: Adult Education: \*Outdoor Education: \*Program Descriptions: \*Wildlife Management  
 ST - \*New York  
 AB - Because of the increase in bow and arrow hunting, the 1977 legislature passed a bill requiring bowhunting training classes. The basic course outline is described and the method of implementation is given. (AJ)

- AN - EJ174186
- CHAN- RC502719
- TI - The Ragged Hill Woods Student Environment Center: A Model for Cooperation among Regional Agencies
- AU - Curtis, Otis
- SO - Communicator: 9: 1: 29-31 (F-Win 1977)  
- CIJE78
- IT - Elementary Secondary Education: \*Interagency Cooperation: \*Models: \*Outdoor Education: Program Development: \*Program Descriptions: \*Regional Planning
- ST - \*Connecticut (Windham County): \*Ragged Hill Woods Student Environment Center
- AB - A model of interagency cooperation the Windham County (Connecticut) Student Environment Center was begun entirely with resources available in most counties of the U.S. and is currently cooperating as a field based training center for pre-service elementary teachers and an educational camp for elementary and secondary students. (JC)

- AN - EJ176348
- CHAN- SE52:246
- TI - Something for Everybody
- AU - Yaich, James A.
- SO - Conservationist: 32: 5: 37-40 (Mar-Apr 1978)  
- CIJE78
- IT - Adult Education Programs: \*Conservation Education: \*Environmental Education: Ecology: Educational Programs: \*Elementary Secondary Education: \*Nature Centers: Natural Resources: \*Outdoor Education: Science Education
- ST - Audubon Society
- AB - This article describes the community program in environmental education developed by the Jamestown Audubon Society. School children are taught conservation, ecology, and hydrology and work outdoors at the Audubon nature center. Other special programs include Saturday programs for older children, adult presentations, and student internships at the center. (MA)

### RECREATIONAL ACTIVITIES

- AN - EJ157474
- CHAN- SE518782
- TI - A WEED CANTILEVER
- AU - KELLER, ELHANNAN L.; PADALINO, JOHN
- SO - SCIENCE ACTIVITIES: 14: 1: 25-26 (JAN/FEB 1977)  
- CIJE77
- IT - \*EDUCATIONAL GAMES: \*ELEMENTARY EDUCATION: \*INSTRUCTIONAL MATERIALS: \*OUTDOOR EDUCATION: \*RECREATIONAL ACTIVITIES: SCIENCE ACTIVITIES
- ST - CANTILEVERS
- AB - DESCRIBES THE ENVIRONMENTAL ACTION TASK ACTIVITY, WHICH MAY BE USED AS A RECREATIONAL GAME OR AN ENVIRONMENTAL PERCEPTION EXPERIENCE. MAY BE CONDUCTED INDOORS OR OUT-OF-DOORS, USING WEED STEMS (OR SPAGHETTI) AND MASKING TAPE TO CONSTRUCT A CANTILEVER. SMALL GROUPS OF CHILDREN WORK TOGETHER TO MAKE THE CANTILEVER WITH THE LONGEST ARM. FURTHER ACTIVITIES ALSO LISTED. (CS)

AN - EJ159568  
CHAN- SE519270  
TI - THEY CALL IT ORIENTEERING  
AU - WEXLER, MARK  
SO - NATIONAL WILDLIFE: 15: 4: 13-16 (JUN-JUL 1977)  
- CIJE77  
IT - ATHLETICS: ENVIRONMENT: EXERCISE (PHYSIOLOGY): \*LEISURE TIME:  
\*OUTDOOR EDUCATION: \*PHYSICAL ACTIVITIES: PARKS: \*RECREATION:  
RECREATIONAL ACTIVITIES: TRAILS  
ST - \*ORIENTEERING  
AB - THROUGH THE USE OF PERSONAL ANECDOTES, THE AUTHOR DETAILS HIS  
INITIAL EXPERIENCE WITH ORIENTEERING. A SPORT RAPIDLY INCREASING  
IN POPULARITY THAT TEACHES PEOPLE NOT TO GET LOST IN THE WOODS.  
SOURCES OF INFORMATION ABOUT ORIENTEERING ARE PROVIDED. (BT)

AN - EJ161626  
CHAN- AA526199  
TI - NATURE IN THE CLASSROOM  
AU - DOYLE, CHARLES  
SO - NJEA REVIEW: 50: 7: 14-5 (MAR 1977)  
- CIJE77  
IT - \*CONSERVATION (ENVIRONMENT): \*ECOLOGY: \*NATURAL RESOURCES:  
\*OUTDOOR EDUCATION. TRAILS: \*WILDLIFE MANAGEMENT  
ST - \*BRIGANTINE NATIONAL WILDLIFE REFUGE: \*SALTMARSHES  
AB - FOR THOSE INTERESTED IN STUDYING MARSHES FIRSTHAND, THE  
BRIGANTINE NATIONAL WILDLIFE REFUGE IN OCEANVILLE, NEW JERSEY, IS  
THE PLACE TO GO. DISCUSSES WHY SALTMARSHES SHOULD BE PROTECTED.  
DESCRIBES ITS' CHANGING BIRD POPULATION, AND THE DEVELOPMENT OF  
OTHER SALTMARSHES RESULTING FROM THE WETLANDS ACT. (AUTHOR/RK)

AN - EJ162879  
CHAN- RC502514  
TI - WILDERNESS RECREATION EDUCATION  
AU - DRURY, JACK K.  
SO - COMMUNICATOR: 8: 2: 44-5 (SPR-SUM 1977)  
- CIJE77  
IT - CONSERVATION (ENVIRONMENT): ENVIRONMENTAL EDUCATION: \*FUTURES (OF  
SOCIETY): \*OUTDOOR EDUCATION: PROBLEM SOLVING: PROGRAM CONTENT:  
\*RECREATION: \*USE STUDIES: \*WILDLIFE MANAGEMENT  
AB - A WILDERNESS RECREATION EDUCATION PROGRAM AIMS TO: OFFER STUDENTS  
AN OPPORTUNITY TO BE INVOLVED WITH DIRECT LEARNING IN THE  
OUTDOORS; INSTILL AN UNDERSTANDING OF WAYS TO EXIST WITHIN AND  
ENJOY THE WILDERNESS ENVIRONMENT; AND DEVELOP AN AWARENESS OF AN  
APPRECIATION FOR THE NEED TO CONSERVE AND MAINTAIN THE WILDERNESS  
ENVIRONMENT FOR GENERATIONS TO COME. (AUTHOR/NO)

AN - EJ163022  
CHAN- SE519617  
TI - PERSONALITY, OUTDOOR RECREATION, AND EXPECTED CONSEQUENCES  
AU - DRIVER, B.L.; KNOPH, RICHARD C.  
SO - ENVIRONMENT AND BEHAVIOR: 9: 2: 169-193 (JUN 1977)  
- CIJE77  
IT - \*BEHAVIOR: BEHAVIORAL SCIENCE RESEARCH: ENVIRONMENT: INDIVIDUAL  
CHARACTERISTICS. \*PARTICIPANT CHARACTERISTICS: \*PERSONALITY:  
\*RECREATION: \*RESEARCH  
ST - \*OUTDOOR RECREATION  
AB - RESULTS OF EXPLORATORY RESEARCH ON RELATIONSHIPS BETWEEN  
PERSONALITY CHARACTERISTICS (MEASURED BY JACKSON'S PERSONALITY  
RESEARCH FORM). CHOICE OF RECREATION ACTIVITIES ENGAGED IN  
ACTIVELY, FREQUENCY OF PARTICIPATION IN THOSE ACTIVITIES, AND THE  
DESIRED CONSEQUENCES EXPECTED FROM THAT PARTICIPATION ARE  
REPORTED. (EDITORS/BT)

- AN - EJ168708
- CHAN- SP506166
- TI - Indian Summer for Wayfarers
- AU - Kaltenbronn, Kyra
- SO - Parks and Recreation: 12: 6: 49-50 (Jun 1977)  
- CIJE78
- IT - Anthropology: \*American Indian Culture: Archaeology: Group Activities: \*Natural Resources: \*Outdoor Education: \*Recreational Activities: \*Social History: Youth Programs
- AB - A recreational program involving hiking and camping emphasizes teaching young participants through archeology and adventure experiences about American Indians, their technology, and their means of survival in the wilderness. (JD)

### RESEARCH NEEDS

- AN - EJ176552
- CHAN- SP506786
- TI - Forecast for Research in Outdoor Education
- AU - Vogl, Robert: Vogl, Sonia
- SO - Journal of Physical Education and Recreation: 49: 1: 36 (Jan 1978)  
- CIJE78
- IT - \*Outdoor Education: \*Research Needs: Research Design: Research Skills: Research Opportunities
- AB - A status report on research in outdoor education needs to be written, including the establishment of research priorities, strategies to upgrade both research quality and researcher skills, and strategies for using research to improve outdoor education programs. (MJ5)

### SCIENCE ACTIVITIES

- AN - EJ154238
- CHAN- SE518565
- TI - SNOWSHOEING: INVITATION TO THE OUTDOORS
- AU - PERLUT, SUSAN
- SO - SCIENCE AND CHILDREN: 14: 5: 17-19 (FEB 1977)  
- CIJE77
- IT - \*ELEMENTARY SCHOOL SCIENCE: \*ENVIRONMENTAL EDUCATION: ELEMENTARY EDUCATION: \*INSTRUCTIONAL MATERIALS: \*OUTDOOR EDUCATION: \*PHYSICAL ACTIVITIES: \*SCIENCE ACTIVITIES: SCIENCE EDUCATION
- AB - OUTLINES BRIEF HISTORY OF THE USE OF SNOWSHOES. SUGGESTS AND DESCRIBES ACTIVITIES SUCH AS THE CONSTRUCTION OF SNOWSHOES, PROPER USE OF SNOWSHOES, TOPICS FOR DISCUSSION, AND OUTDOOR LESSONS. (CS)

AN - EJ154239  
CHAN- SE518566  
TI - FUN WITH FOOD WEBS  
AU - SMITH, KARL D.  
SO - SCIENCE AND CHILDREN; 14: 5: 22-23 (FEB 1977)  
- CIJE77  
IT - \*ECOLOGY; \*EDUCATIONAL GAMES; \*ELEMENTARY SCHOOL SCIENCE;  
\*ENVIRONMENTAL EDUCATION; ELEMENTARY EDUCATION; INSTRUCTIONAL  
MATERIALS; \*OUTDOOR EDUCATION; PHYSICAL ACTIVITIES; \*SCIENCE  
ACTIVITIES; SCIENCE EDUCATION  
AB - EXPLAINS AN UPPER ELEMENTARY GAME OF TAG THAT ILLUSTRATES ENERGY  
FLOW IN FOOD WEBS USING CANDY BARS AS FOOD SOURCES. A FOLLOW-UP  
FIELD TRIP TO A RIVER AND FIVE LANGUAGE ARTS PROJECTS ARE ALSO  
SUGGESTED. (CS)

AN - EJ155879  
CHAN- SE518738  
TI - TERRITORIALITY IN THE RED-WINGED BLACKBIRD  
AU - NEWHOUSE, CHRIS  
SO - AMERICAN BIOLOGY TEACHER; 39: 3; 168-170 (MAR 1977)  
- CIJE77  
IT - \*ANIMAL BEHAVIOR; \*BIOLOGY; COLLEGE SCIENCE; \*HIGHER EDUCATION;  
INSTRUCTION; \*OUTDOOR EDUCATION; \*SECONDARY EDUCATION; \*SCIENCE  
ACTIVITIES; SECONDARY SCHOOL SCIENCE  
ST - ORNITHOLOGY  
AB - REPORTS FINDINGS ON RESEARCH IN RED-WINGED BLACKBIRD  
TERRITORIALITY AND DESCRIBES THE EDUCATIONAL POTENTIAL OF USE OF  
SIMILAR STUDIES IN THE CLASSROOM. TERRITORIAL MAPPING AND  
OBSERVATIONAL TECHNIQUES ARE EXPLAINED. (CS)

AN - EJ165254  
CHAN- AA526362  
TI - Kids! Be an Explorer on the Earth Squad  
AU - Wolf, Nancy A.  
SO - Instructor; 86: 8: 72-3.76.78.128.133 (Apr 1977)  
- CIJE78  
IT - \*Environmental Education; \*Ecology; \*Outdoor Education; \*Science  
Activities; \*Student Projects  
AB - A special tear-out-and-duplicate section provides activities for  
increasing environmental awareness. (RW)

AN - EJ165603  
CHAN- SE519914  
TI - A Pond Project for Junior High School Students  
AU - David, Jim  
SO - American Biology Teacher; 39: 6: 370-371.373 (Sep 1977)  
- CIJE78  
IT - Community Involvement; \*Educational Facilities; Ecology;  
Environmental Education; \*Field Instruction; Junior High School  
Students; \*Outdoor Education; \*Student Projects; \*Science  
Education; \*Science Projects  
AB - Described is how a neglected pond was transformed into a useful  
study area through the efforts of local junior high school  
students and the community. A chronology of events in the  
restoration of the pond is included, along with the names of  
resource personnel and organizations. (MA)

AN - EJ166627  
CHAN- SE519966  
TI - A Partnership in Outdoor Science Education  
AU - Falk, John H.  
SO - Science and Children; 15: 1: 24-25 (Sep 1977)  
- CIJE78  
IT - \*Biology; Curriculum; Ecology; \*Environmental Education;  
\*Elementary Secondary Education; \*Field Instruction; \*Outdoor  
Education; \*Science Education  
ST - \*Chesapeake Bay Center for Environmental Studies; \*Smithsonian  
Institution  
AB - A Maryland school district and the Smithsonian Institution have  
become partners in outdoor science education. Working together,  
they have developed a series of activities for students in grades  
1-8 that are an integrated part of a total unified science  
curriculum, meeting the need of teachers and students alike. (MA)

AN - EJ172540  
CHAN- SE520545  
TI - Building and Operating an Observation Beehive  
AU - Gojmerac, W.L.  
SO - Science Activities; 14: 6: 25-7 (Nov-Dec 1977)  
- CIJE78  
IT - \*Animal Science; \*Biology; \*Biological Sciences; \*Entomology;  
Natural Sciences; \*Outdoor Education; \*Secondary School Science;  
\*Science Activities; Science Education; Secondary Education  
ST - \*Bees  
AB - Describes the construction and observation of beehives. (SL)

AN - EJ176335  
CHAN- SE52198  
TI - Biology in the School Lot  
AU - Sanford, Julie P.  
SO - Science Teacher; 45: 2: 24-5 (Feb 1978)  
- CIJE78  
IT - \*Biology; \*Elementary School Science; Elementary Education;  
\*Games; Outdoor Education; \*Science Units; Science Activities;  
Science Course Improvement Project; Science Education  
ST - \*Outdoor Biology Instructional Strategies; OBIS  
AB - Reviews the Outdoor Biology Instructional Strategies (OBIS) Food  
Chain Game. (SL)

## TEACHER EDUCATION

AN - EJ160834  
CHAN- RC502430  
TI - ENVIRONMENTAL EDUCATION--A LEARNING PROCESS  
AU - MCDONALD, CHARLINE; MCDONALD, ERNEST C.  
SO - JOURNAL OF OUTDOOR EDUCATION; 11: 2: 3-7 (1977)  
- CIJE77  
IT - BEHAVIOR CHANGE; COMMUNITY INVOLVEMENT; \*ENVIRONMENTAL EDUCATION;  
\*LEARNING ACTIVITIES; \*LEARNING PROCESSES; \*MODELS; \*OUTDOOR  
EDUCATION; PROBLEM SOLVING; STUDENT ATTITUDES; TEACHER EDUCATION  
AB - THE BASIC PURPOSE OF THE PROCESS APPROACH DISCUSSED IN THIS  
PRESENTATION IS TO INVOLVE TEACHERS, STUDENTS, AND ULTIMATELY THE  
COMMUNITY IN PROBLEM SOLVING SITUATIONS WHICH CAN LEAD TO  
ATTITUDE CHANGES ABOUT THE MANAGEMENT OF THE ENVIRONMENT. (JC)

- AN - EJ160835
- CHAN- RC502431
- TI - I HEARD OF AN EASY CREDIT
- AU - OLSEN, DWAYNE G.
- SO - JOURNAL OF OUTDOOR EDUCATION: 11: 2: 8-10 (1977)
- CIJE77
- IT - COOPERATING TEACHERS: \*ELEMENTARY SCHOOL CURRICULUM: \*EDUCATIONAL OPPORTUNITIES: \*OUTDOOR EDUCATION: \*PRESERVICE EDUCATION: \*TEACHER EDUCATION
- AB - COOPERATING TEACHERS WHO PROVIDE OPPORTUNITIES FOR EDUCATION STUDENTS TO PARTICIPATE IN OUTDOOR EDUCATION UNITS WILL HAVE ENRICHED THEIR OUTDOOR EDUCATION UNIT WITH THE KNOWLEDGE, TALENTS, AND SKILLS OF A VERY ENTHUSIASTIC GROUP OF FUTURE TEACHERS. (JC)

- AN - EJ163232
- CHAN- SP505853
- TI - ECOSCENE
- AU - DAVIS, WILLIAM W.; MANAR, HUGH E.
- SO - PARKS AND RECREATION: 12: 1: 26-8.68 (JAN 1977)
- CIJE77
- IT - \*ELEMENTARY EDUCATION: ENRICHMENT EXPERIENCE: \*HANDICRAFTS: \*HAND TOOLS: LIFE STYLE: \*OUTDOOR EDUCATION: RURAL EDUCATION: \*WORK EXPLRIENCE PROGRAMS
- ST - \*EIGHTEENTH CENTURY LIVING
- AB - AN ELEMENTARY SCHOOL PROGRAM BASED ON THE PRINCIPLE THAT LEARNING ABOUT LIFE IN THE EIGHTEENTH CENTURY, WHEN MAN'S DEPENDENCE ON HIMSELF AND THE LAND WAS MORE DIRECT, CAN LEAD TO A BETTER UNDERSTANDING OF THE LIFE-STYLES OF TODAY. (JD)

- AN - EJ174189
- CHAN- RC502722
- TI - Exploring a Vacant Lot: An Outdoor Education Teaching Technique
- AU - Rillo, Thomas J.
- SO - Communicator: 9: 1: 41-6 (F-Win 1977)
- CIJE78
- IT - \*Activities: \*Equipment; Lesson Plans: \*Outdoor Education: \*Observational Learning; Secondary Education: \*Soil Science: \*Teaching Techniques
- ST - \*Vacant Lots
- AB - Ten specific activities aimed at studying soil in a vacant lot are presented along with a discussion of necessary/useful equipment and an expemplary lesson plan. (JC)

- AN - EJ174913
- CHAN- AA527373
- TI - From the Mountains to the Classrooms
- AU - Eder, Sid; Williamson, Jed
- SO - American Education: 13: 9: 17-22 (Nov 1977)
- CIJE78
- IT - \*Elementary Secondary Education: Learning: \*Outdoor Education: \*Program Descriptions: Summer Programs; \*Student Teacher Relationship; Teaching Styles: \*Teacher Improvement: \*Teacher Education
- ST - \*Live, Learn and Teach Program
- AB - The fright and uncertainty they themselves felt in unfamiliar places and situations enable teachers to take back to their classrooms an empathy with students who are ill-adjusted to school. Describes the Live, Learn & Teach program (EJ 144 148) developed by the University of New Hampshire for stimulating teachers' interest in changing fixed patterns of teaching. (Editor/RK)

URBAN STUDIES

- AN - EJ166501  
CHAN- RC502572  
TI - Reading the Cultural Landscape. Theme Address of the Taft Campus  
25th Anniversary and Spring 1977 Colloquium, Northern Illinois  
University, April 15-17, 1977  
AU - Hopkins, Chuck  
SO - Journal of Outdoor Education: 12: 1: 3-14 (1977)  
- CIJE78  
IT - \*Cultural Context; Cultural Environment; Environmental  
Influences; \*Environmental Research; \*Human Geography; Life  
Style; \*Outdoor Education; \*Relevance (Education); \*Urban  
Studies; Urban; Culture  
AB - Defining the "cultural landscape" as "any landscape which has  
experienced a change brought about by man, either directly or  
indirectly", the article discusses various goals, objectives,  
targets, and strategies which are relevant to urban studies from  
an academic approach. (NQ)

- AN - EJ166502  
CHAN- RC502573  
TI - Reading the Urban Landscape: The Shopping Centre as an  
Educational Resource  
AU - VandenHazel, Bessel J.  
SO - Journal of Outdoor Education: 12: 1: 15-16 (1977)  
- CIJE78  
IT - Community Study; \*Educational Resources; \*Environmental  
Influences; Environmental Research; \*Outdoor Education; \*Urban  
Studies; \*Urban Environment  
ST - \*Shopping Centers  
AB - Shopping centres can offer many educational surprises to both  
students and teachers. A shopping centre study can provide the  
students with an opportunity to increase their understanding of  
the role played by these centres in their community. (NQ)

- AN - EJ166736  
CHAN- SP505972  
TI - The Urban Recreation Study: Doing It Right  
AU - Maguire, Meg  
SO - Parks and Recreation: 12: 4: 28-31.56-7 (Apr 1977)  
- CIJE78  
IT - Federal Recreation Legislation; \*Land Use; \*Recreation;  
Recreation Finances; Research Methodology; \*Recreation  
Legislation; \*Urban Areas; Urban Studies; \*Urban Environment  
ST - \*Bureau of Outdoor Recreation  
AB - Certain underlying assumptions of the urban recreation study  
conducted by the Bureau of Outdoor Recreation are highlighted,  
and recommendations are suggested for the study's shortcomings.  
(MM)



- AN - EJ168801  
CHAN- SP506259  
TI - Project Adventure  
AU - Little, Rufus  
SO - Journal of Physical Education and Recreation; 48: 6: 13-16 (Jun 1977)  
- CIJE78  
IT - Athletic Equipment; \*Educational Innovation; \*Group Activities; \*Group Unity; \*Outdoor Education; \*Physical Education; Self Concept; Teaching-Styles; Urban Schools  
AB - Using trees, open fields, empty lots, buildings, or whatever is available near the school, students experience the challenge and group spirit associated with wilderness schools. (JD)

- AN - EJ174180  
CHAN- RC502713  
TI - Shed a Tear for Suicide Hill  
AU - Hollandér, Allen  
SO - Communicator; 9: 1: 2-4 (F-Win 1977)  
- CIJL78  
IT - \*Discovery Learning; \*Outdoor Education; \*Urbanization  
ST - \*Experiential Learning  
AB - Emphasizing the importance of open, non-structured space, this article asserts that it is in using these spaces to act out their fantasies that children bring life and meaning to the worlds of literature and legends and learn to experience the spice of danger, adventure, and mystery. (JC)

- AN - EJ176328  
CHAN- SE521169  
TI - Manhattan Country School: An Urban School in the Catskills  
AU - Southern, Jane; Plummer, James  
SO - Nature Study; 31: 3: 5-6 (1978)  
- CIJE78  
IT - Biological Sciences; Curriculum Design; \*Elementary Education; \*Environmental Education; \*Farm Visits; \*Instructional Programs; Natural Resources; \*Outdoor Education; Program Descriptions; Science Education  
AB - This school integrates an outdoor, farm experience with an urban school curriculum. Elementary students spend increasing lengths of time working on a country farm as a mandatory requirement. Activities include farm chores, nature hikes, household chores, and practical crafts. Students come from a wide range of backgrounds and incomes. (MA)

- AN - EJ179852  
CHAN- SE520274  
TI - City Parks: More Than Meets The Eye  
AU - Vandervoort, Frances S.  
SO - American Biology Teacher; 39: 8: 473-5 (Nov 1977)  
- CIJE78  
IT - \*Elementary Secondary Education; \*Environmental Education; \*Learning Activities; Natural Resources; \*Outdoor Education; \*Parks; \*Science Education; Urban Environment; Urban Schools; Values  
AB - Urban school districts are discovering city parks as a place for students to learn about their environment through biological investigation. Outlined are some of the activities that are appropriate for students of various grade levels working in a park setting. (MA)

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  
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Supplement No. 5 (ED 188 306)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS  
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- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS  
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ERIC/RCS is responsible for documents concerning reading, English, and communication Skills; research in reading, writing, speaking, and listening, identification of reading problems; speech communication; and speech sciences and theater. Preparation of instructional staff and related personnel in these areas are covered.

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