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**ABSTRACT**

A supplement to seven previous bibliographies, this bibliography provides a guide to some of the latest resource material, research findings, and/or developments in outdoor education. Part I contains 68 citations and abstracts which appeared in "Resources in Education" (RIE) from the January 1977 issue through the October 1977 issue. Part II includes 39 citations of journal articles which appeared in "Current Index to Journals in Education" (CIJE) from the January 1977 issue through the October 1977 issue. In addition to outdoor education, the citations cover such topics as camping, conservation education, activity learning, elementary school science, ecology, environmental education, experiential learning, natural resources, nature centers, Outward Bound, science activities, self concept, resident camp programs, educational objectives, emotionally disturbed, environment, group experience, learning activities, leisure time, and orienteering. Types of materials cited include curriculum guides, research reports, resource guides, instructional materials, program descriptions, leaders guides, program evaluations, 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 and their scopes are included. (HQ)

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ED149884

OUTDOOR EDUCATION  
A BIBLIOGRAPHY OF  
ERIC ABSTRACTS: SUPPLEMENT NO. 7

ERIC/CRESS

January 1978

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EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
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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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January 1978

## Purpose and Scope of ERIC

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.

To achieve this purpose, the ERIC system processes documents for announcement in Resources in Education (RIE), a monthly publication containing abstracts of research, research-related reports, and resource materials in education. In addition, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly index which draws from over seven hundred journals, quarterlies, annuals, and yearbooks.

Each of the ERIC network of clearinghouses has a particular area or scope of education. It is the responsibility of this Clearinghouse, the Clearinghouse on Rural Education and Small Schools (CRESS), to gather materials related to rural education, small schools, the American Indian, the Mexican American, the migrant, and outdoor education and to bring these materials into the national ERIC system. For information concerning other individual Clearinghouses and their respective scopes, consult the list at the back of this publication.

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 obtained from ERIC Processing and Reference Facility, 4833 Rugby Avenue, Suite 303, Bethesda, Maryland 20014.

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## About the Bibliography

### Scope and Sources

This bibliography provides a guide to the latest resource material, research findings, and/or development in outdoor education. There have been seven previous bibliographies covering outdoor education. For a list of bibliographies, see the Table of Contents.\* This bibliography is drawn from current issues of RIE and CIJE dating from the January 1977 issue through the October 1977 issue. In conducting the computer search of ERIC tapes to compile this bibliography, the search term used was All Outdoor. The only outdoor material excluded was that which was related to Outdoor Lighting, Outdoor Drama, or Outdoor Theaters.

### Terms

Two types of descriptive terms are employed for RIE and CIJE: descriptors and Identifiers. Descriptors are technically meaningful words or phrases used to characterize, to index, and to retrieve documents and are incorporated in the Thesaurus of ERIC Descriptors.

Proper names of persons, geographical locations, trade names, and so on may also be important in describing a document. These terms, called Identifiers, are not found in the Thesaurus, but are included with RIE citations for descriptive purposes.

### Organization of Bibliography

Each bibliographic citation is headed by an ERIC accession number. RIE entries are assigned an ED number; those from CIJE are assigned an EJ number. In both the RIE and CIJE sections, the citations begin with

\*It should be noted that microfiche and hard copy prices in the previously published bibliographies do not reflect current ERIC Documents Reproduction Service pricing; however, prices given therein may be computed as per the instructions on the order blank appended to the present bibliography.

the lowest accession number and proceed to the highest. The index references are also by accession number.

### Section I. Resources in Education

Section I contains citations and abstracts appearing in Resources in Education from the January 1977 issue through October 1977 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 (EDRS) prices or an alternative availability, and the abstract.

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 can be ordered as described on the order blank appended to the bibliography. Instructions for computing the price are also included on the order blank. When ordering any item, the RIE citations should be double checked. If the citation carries the statement NOT AVAILABLE FROM EDRS, an alternative 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.

### Section II. Current Index to Journals in Education

Section II of this bibliography covers citations from Current Index to Journals in Education beginning with the January 1977 issue through

the October 1977 issue. Entries listed in the CIJE sector of this bibliography are processed differently than are the RIE citations. Brief notations are provided only when it is thought that the article cannot be described adequately by a combination of major and minor descriptors, identifiers, and the 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. There are two CIJE entries per page. Since CIJE entries are not available from ERIC Document Reproduction Service, the reader is encouraged to use his local library to locate the journals he wishes to use.

### Section III. RIE and CIJE Subject Index

Section III is a combined RIE and CIJE subject index to assist the user in locating citations pertaining to a particular area concerning outdoor education.

### 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



SECTION I. CITATIONS FROM RESOURCES IN EDUCATION

## Key to Citations

- AN - Accession number - identification number sequentially assigned to documents and/or journal articles as they are processed
- CHAN - Clearinghouse Accession Number
- TI - Title
- AU - Authors
- OS - Organizational Source
- SO - Source (as from a journal)
- PD - Publication Date
- NO - Number of Pages and Notes
- IS - Issue of RIE or RIJE in which citation appears
- PR - EDRS Price
- SPO - Sponsoring Organization
- AV - Alternate Availability
- CG - NIE or USOE Contract/grant number under which research was done
- BN - Bureau Number (report number given by originator)
- DT - Document Type
- IT - Index Terms - descriptors which characterize content
- 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 - ED129519
- CHAN - RC009480
- TI - AN ANALYSIS OF THE IMPACT OF OUTWARD BOUND ON TWELVE HIGH SCHOOLS.
- AU - SCHULZE, JOSEPH R.
- OS - OUTWARD BOUND, INC., GREENWICH, CONN.
- PD - 1 SEP 71
- NO - 156P.; NOT AVAILABLE IN HARD COPY DUE TO SMALL PRINT SIZE OF ORIGINAL DOCUMENT
- IS - RIE77FEB
- PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
- AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH, CONNECTICUT 06830 (\$1.00)
- SPO - CARNEGIE CORP. OF NEW YORK, N.Y.
- DT - R
- IT - BOARDING SCHOOLS; DAY SCHOOLS; EDUCATIONAL ALTERNATIVES
- IT - EDUCATIONAL OBJECTIVES; \*EDUCATIONAL PHILOSOPHY; \*HIGH SCHOOLS
- IT - INFORMATION DISSEMINATION; \*OUTDOOR EDUCATION; PRIVATE SCHOOLS
- IT - \*PROGRAM DESCRIPTIONS; PROGRAM DEVELOPMENT; \*PROGRAM EVALUATION
- IT - PUBLIC SCHOOLS; RURAL AREAS; SECONDARY EDUCATION; SUBURBS
- IT - URBAN AREAS
- ST - \*EXPERIENTIAL LEARNING; \*OUTWARD BOUND
- AB - DESCRIBING AND ANALYZING THE IMPACT OF OUTWARD BOUND (OB) PROGRAMS ON 12 HIGH SCHOOLS WHICH REFLECT OB INVOLVEMENT VARYING FROM 1 TO 5 YEARS AND INCLUDE URBAN, SUBURBAN, AND RURAL (PUBLIC, PRIVATE, BOARDING, AND DAY) SCHOOLS.

AN - ED128167  
 CHAN- SEC0891  
 TI - PROXIMITY CONGRUENCY AND PROXIMITY INCONGRUENCY: FACTORS AFFECTING THE STATE OF THE ART OF ENVIRONMENTAL EDUCATION.  
 AU - PETERS, RICHARD  
 PD - MAY 76  
 NO - 12P.  
 TS - RIE77JAN  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 DT - B  
 IT - \*EDUCATIONAL PROGRAMS; \*ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; \*FUNDAMENTAL CONCEPTS; \*INSTRUCTION  
 IT - OBJECTIVES; OUTDOOR EDUCATION; RESOURCE MATERIALS; TEACHER ROLE  
 AB - THIS PAPER PRESENTS ARGUMENTS FOR THE PREMISE THAT, FROM AN INSTRUCTIONAL POINT OF VIEW, THE MOST EFFECTIVE ENVIRONMENTAL EDUCATION PROGRAM IS ONE THAT PROVIDES FOR PROXIMITY CONGRUENCY (DIRECT INTERACTION WITH THE NATURAL AND MAN-MADE ENVIRONMENT) AS OPPOSED TO PROXIMITY INCONGRUENCY. THE AUTHOR SUGGESTS THAT IF THE TEACHER IS INTERESTED IN EXPOSING THE STUDENT TO THE REAL WORLD OF THE LIFE-SPACE ENVIRONMENT, THERE ARE SEVERAL ACTIVITIES AND EXPERIENCES THAT CAN BE INCORPORATED INTO THE INSTRUCTIONAL STRATEGY. THESE INCLUDE: (1) COMMUNITY STUDIES, (2) FIELD STUDIES, (3) FIELD TRIPS, (4) GRAPHIC STUDIES, (5) NATURE WALKS, (6) WEEKEND DAYTRIPS, AND (7) WEEKEND OVERNIGHT CAMPING TRIPS. A REPRESENTATIVE SAMPLE OF ENVIRONMENTAL EDUCATION INFORMATION AVAILABLE TO TEACHERS INCLUDING: FILMS, FILMSTRIPS, GAMES, SIMULATIONS, PRINTED MATERIALS, PROJECTS AND ORGANIZATIONS, IS PRESENTED. THIS PUBLICATION CONCLUDES BY LISTING ENVIRONMENTAL PROBLEMS THAT NEED IMMEDIATE ATTENTION IN ENVIRONMENTAL EDUCATION PROGRAMS. (BT)



4

AN - ED128245  
CHAN- S0009313  
TI - GEOGRAPHY VIA AERIAL FIELD TRIPS: DO IT THIS WAY. 6.  
AU - RICHASCA, BENJAMIN F., JR.; GUELL, CARL E.  
JS - NATIONAL COUNCIL FOR GEOGRAPHIC EDUCATION.  
PD - 65  
ND - 25P.; FOR RELATED DOCUMENTS, SEE ED 034 434 AND SO 009 309-314  
IS - RIE77JAN  
PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
AV - NCGE CENTRAL OFFICE, 115 NORTH MARION STREET, OAK PARK, ILLINOIS  
60301 (\$1.00)  
DT - G  
IT - \*AIRBORNE FIELD TRIPS; ELEMENTARY SECONDARY EDUCATION  
IT - FIELD TRIPS; GEOGRAPHIC REGIONS; GEOGRAPHY  
IT - \*GEOGRAPHY INSTRUCTION; HIGHER EDUCATION; HUMAN GEOGRAPHY  
IT - LAND USE; OUTDOOR EDUCATION; \*PHYSICAL GEOGRAPHY  
IT - PHYSICAL SCIENCES; PROGRAM PLANNING; TEACHING GUIDES  
IT - \*TEACHING METHODS  
AB - TO PROVIDE GUIDANCE FOR GEOGRAPHY TEACHERS, THIS BOOKLET PRESENTS  
INFORMATION ON HOW TO PLAN AND EXECUTE AERIAL FIELD TRIPS. THE  
AERIAL FIELD TRIP CAN BE EMPLOYED AS AN EFFECTIVE VISUAL AID  
TECHNIQUE IN THE TEACHING OF GEOGRAPHY, ESPECIALLY FOR PRESENTING  
EARTH GENERALIZATIONS AND INTERRELATIONSHIPS. THE BENEFITS OF AN  
AERIAL FIELD TRIP ARE STUDYING A REGION FROM A HIGH VANTAGE POINT  
FOR A TOTAL VIEW, SURVEYING AN EXTENSIVE AREA WITHIN A SHORT  
PERIOD OF TIME, AND EXPERIENCING AIR TOPOGRAPHY AND CURRENTS.  
ELEMENTS TO CONSIDER WHEN PLANNING THE AERIAL FIELD TRIP INCLUDE  
SELECTING THE FEATURES TO BE VIEWED, DETERMINING THE FLIGHT  
ROUTE, LENGTH OF THE FIELD TRIP, SELECTING THE TYPE OF AIRCRAFT  
TO USE, HOW MANY AIRCRAFT TO USE, ALTITUDE AT WHICH TO FLY, WHEN  
TO SCHEDULE THE TRIP, COST OF THE AERIAL FIELD TRIP, AND  
PREPARATION OF FLIGHT MAP AND LOG. THE BOOKLET OFFERS SHORT  
SECTIONS CONTAINING IDEAS ABOUT PREFLIGHT CLASSES AND BRIEFING  
AND ABOUT POSTFLIGHT INTERROGATION AND REVIEW. TWENTY-FIVE  
PHOTOGRAPHS ILLUSTRATING DIFFERENT AERIAL VIEWS OF LAND CONCLUDE  
THE BOOKLET. (ND)

AN - ED129500  
 CHAN- PC009454  
 TI - THE IMPACT OF FAMILY LEISURE TIME PATTERNS ON JEWISH RESIDENT CAMPING.  
 AU - ALTMAN, S. MORTON  
 OS - NATIONAL JEWISH WELFARE BOARD, NEW YORK, N.Y.  
 PD - APR 75  
 NO - 36P.  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 DT - R  
 IT - BIRTH RATE; CHURCH PROGRAMS; COMMUNITY SURVEYS; DAY CAMP PROGRAMS  
 IT - \*FAMILY INVOLVEMENT; FAMILY MOBILITY; \*JEWS; \*LEISURE TIME  
 IT - OUTDOOR EDUCATION; \*PARENT ATTITUDES; QUESTIONNAIRES  
 IT - RECREATIONAL ACTIVITIES; RELIGIOUS FACTORS  
 IT - \*RESIDENT CAMP PROGRAMS; SOCIOECONOMIC INFLUENCES  
 IT - \*SUMMER PROGRAMS  
 AB - BASED ON THEIR GEOGRAPHICAL LOCATION AND THE RELATIVE SIZE OF THEIR CAMP OPERATION, 20 RESIDENT CAMPS WERE ASKED TO CONDUCT 30 TELEPHONE INTERVIEWS IN THEIR LOCAL COMMUNITY WITH PARENTS OF CHILDREN WHO: STILL ATTENDED THE CAMP, HAD PREVIOUSLY ATTENDED THE CAMP BUT DID NOT RETURN FOR THE SUMMER OF 1973, OR HAD NEVER ATTENDED THE CAMP. RESPONSES WERE RECEIVED FROM 16 CAMPS AND INTERVIEWS WERE COMPLETED WITH 275 FAMILIES. THESE PARENTS WERE ASKED ABOUT THEIR: REASONS FOR SENDING OR NOT SENDING THEIR CHILDREN TO RESIDENT CAMP; PREFERENCES FOR A DAY CAMP OR A RESIDENT CAMP; FAMILY LEISURE TIME AND VACATION PATTERNS; SUMMER ACTIVITIES; MEMBERSHIP IN SYNAGOGUES, TEMPLES, AND JEWISH COMMUNAL ORGANIZATIONS; AND SOCIOECONOMIC BACKGROUND. DATA WERE ALSO OBTAINED ON FAMILY MOBILITY AND BIRTH RATE OF THE JEWISH POPULATION. SOME FINDINGS WERE: NO SIGNIFICANT RELATIONSHIP WAS FOUND BETWEEN A FAMILY'S USE OF RESIDENT CAMP SERVICES AND THE EXTENT TO WHICH THEY VACATIONED TOGETHER; FAMILIES WITH CHILDREN ATTENDING RESIDENT CAMPS IN 1973 MOST FREQUENTLY CITED PERSONAL AND SOCIAL DEVELOPMENT OF THE CHILD AS THE MOST IMPORTANT REASONS FOR SELECTING THIS TYPE OF CAMP EXPERIENCE; AND CHILDREN WERE ATTENDING RESIDENT CAMPS FOR SHORTER REGISTRATION PERIODS THAN CHILDREN ATTENDING DAY CAMPS. (NQ)



AN - ED124516  
 CHAN - R009473  
 TI - THE EFFECTS OF OUTWARD BOUND PARTICIPATION UPON ANXIETY AND SELF  
 CONCEPT,  
 AU - KOEPKE, SHARCA MARGARET  
 PD - DEC 73  
 NO - 122P.; MS THESIS, PENNSYLVANIA STATE UNIVERSITY. FOR RELATED  
 DOCUMENT, SEE ED 099 162  
 IS - R1E77FEB  
 PR - EDRS PRICE MF-\$0.83 HC-\$6.01 PLUS POSTAGE.  
 AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY  
 PARK, PENNSYLVANIA 16802  
 DT - T  
 IT - AGE DIFFERENCES; \*ANXIETY; CORRELATION; \*HYPOTHESIS TESTING  
 IT - MASTERS THESES; \*OUTDOOR EDUCATION; PHYSICAL EDUCATION  
 IT - \*POSITIVE REINFORCEMENT; POST TESTING; PRETESTING; \*SELF CONCEPT  
 IT - \*SEX DIFFERENCES; STRESS VARIABLES; STUDENT CHARACTERISTICS  
 ST - EXPERIENTIAL LEARNING; GOUGH ADJECTIVE CHECK LIST; \*OUTWARD BOUND  
 ST - STATE TRAIT ANXIETY INVENTORY  
 AB - THE RELATIONSHIP BETWEEN PHYSICALLY AND PSYCHOLOGICALLY STRESSFUL  
 EXPERIENCES AND THE ANXIETY AND SELF CONCEPT OF 33 MALE AND 11  
 FEMALE PARTICIPANTS (AGED 16-38 YEARS) IN A 23-DAY COLORADO  
 OUTWARD BOUND (OB) COURSE WAS ANALYZED. IT WAS HYPOTHESIZED THAT  
 THE EFFECTS OF THE OB EXPERIENCE WOULD: BE THE SAME FOR MALE AND  
 FEMALE PARTICIPANTS; ALTER REAL SELF CONCEPT; ALTER THE  
 DISCREPANCY BETWEEN REAL AND IDEAL SELF CONCEPT; CHANGE STATE  
 ANXIETY; AND INCREASE THE RELATIONSHIP BETWEEN STATE AND TRAIT  
 ANXIETIES AND REAL SELF CONCEPT. EMPLOYING PRE- AND POST-TESTING  
 PROCEDURES, THE ANALYSIS INVOLVED 23 SCALES OF THE GOUGH  
 ADJECTIVE CHECK LIST TO DELINEATE BOTH REAL AND IDEAL SELF  
 CONCEPT AND THE STATE AND TRAIT SCALES OF THE STATE-TRAIT ANXIETY  
 INVENTORY TO DETERMINE ANXIETY LEVELS. DATA WERE ANALYZED VIA THE  
 WILCOXON MATCHED-PAIRS SIGNED-RANKS TEST, THE MANN-WHITNEY U  
 TEST, AND THE SPEARMAN RANK ORDER CORRELATION COEFFICIENT.  
 RESULTS INDICATED: FEMALE OB PARTICIPANTS SET HIGHER IDEALS FOR  
 THEMSELVES THAN MALES, BUT MALE AND FEMALE ANXIETIES AND SELF  
 CONCEPTS WERE MORE SIMILAR THAN DISSIMILAR; OB PARTICIPANTS  
 EXPERIENCED CHANGES AT THE CONCLUSION OF THE COURSE, VIEWING  
 THEMSELVES MORE POSITIVELY AND NARROWING THE GAP BETWEEN REAL AND  
 IDEAL PERCEPTION; OB PARTICIPANTS EXHIBITED A HIGH ANXIETY LEVEL  
 JUST PRIOR TO THE COURSE BUT DEMONSTRATED A CORRELATION BETWEEN  
 LOW LEVELS OF ANXIETY AND POSITIVE SELF PERCEPTIONS. (JC)

AN - ED129518  
 CHAN - RCC05479  
 TI - OUTWARD BOUND AND HIGHER EDUCATION. A RATIONALE AND OUTLINE FOR COLLEGE DEVELOPMENT.  
 AU - MEDRICK, FREDERICK W.  
 JS - OUTWARD BOUND, INC., GREENWICH, CONN.  
 NO - 14P.; NOT AVAILABLE IN HARD COPY DUE TO SMALL PRINT SIZE OF ORIGINAL DOCUMENT  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH, CONNECTICUT 06830 (\$0.50).  
 DT - G  
 IT - COURSE DESCRIPTIONS; DEFINITIONS; EDUCATIONAL ALTERNATIVES  
 IT - \*GUIDES; \*HIGHER EDUCATION; \*INSTITUTIONAL ROLE  
 IT - LEARNING PROCESSES; \*OBJECTIVES; \*OUTDOOR EDUCATION; PHILOSOPHY  
 IT - PROGRAM DESCRIPTIONS; \*PROGRAM DEVELOPMENT; SELF ACTUALIZATION  
 ST - EXPERIENTIAL LEARNING; \*OUTWARD BOUND  
 AB - PRESENTING A RATIONALE FOR EXPERIENTIAL LEARNING IN HIGHER EDUCATION AND AN OUTLINE FOR OUTWARD BOUND (OB) PROGRAM DEVELOPMENT. THIS GUIDE INCLUDES: (1) PERSONAL PRIORITIES IN AN OB PROGRAM (ENHANCING SELF-CONCEPT; RECOGNIZING INDIVIDUAL NEEDS; CLARIFYING VALUES; COPING WITH STRESS AND AMBIGUITY; IMPROVING INTERPERSONAL RELATIONS; FINDING COMMUNITY AND COMMONALITY); (2) OB INSTITUTIONAL PRIORITIES (EDUCATIONAL ALTERNATIVES; EXPERIENTIAL OPPORTUNITIES; STUDENT RESPONSIBILITY; STUDENT COMMITMENT/PARTICIPATION; CAMPUS ORIENTATION; INSTITUTIONAL NEEDS); (3) THE GOALS AND OBJECTIVES OF AN OB PROGRAM (PERSONAL DEVELOPMENT; INTERPERSONAL EFFECTIVENESS; ENVIRONMENTAL AWARENESS; EXPERIENTIAL LEARNING; VALUES CLARIFICATION; PHILOSOPHY; AND LIFE STYLES); (4) OB GOAL IMPLEMENTATION PROCESS (SKILLS TRAINING; PHYSICAL CHALLENGE; STRESS EXPERIENCES; PROBLEM SOLVING; SELF-ACTUALIZATION; REFLECTION; EVALUATION; AND SERVICE); (5) OB PROGRAM TYPES (THE TRADITIONAL 23-DAY WILDERNESS SURVIVAL EXPERIENCE; SPECIALLY DESIGNED COURSES MEETING SPECIFIC GROUP NEEDS; SHORT TERM COURSES FOR SPECIAL GROUPS; AND SEQUENTIAL COURSES); (6) INSTITUTIONS WITH OB PROGRAMS (COLORADO COLLEGE; PRESCOTT; DARTMOUTH; WHEATON COLLEGE VANGUARD SCHOOL; BOSTON UNIVERSITY; EVERGREEN STATE COLLEGE; UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE); (7) DEVELOPMENT PRIORITIES AND GOALS (STUDENT GROWTH; CURRICULUM INTEGRATION; FACULTY-STUDENT RELATIONS; LEADERSHIP; AND TEAM-BUILDING); (8) DEVELOPMENT APPROACHES. (JC)

AN - ED129519  
 CHAN - RC009480  
 TI - AN ANALYSIS OF THE IMPACT OF OUTWARD BOUND ON TWELVE HIGH SCHOOLS.  
 AU - SCHULZE, JOSEPH R.  
 OS - OUTWARD BOUND, INC., GREENWICH, CONN.  
 PD - 1 SEP 71  
 NO - 156P.; NOT AVAILABLE IN HARD COPY DUE TO SMALL PRINT SIZE OF ORIGINAL DOCUMENT  
 IS - PIE77FEB  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH, CONNECTICUT 06830 (\$1.00)  
 SPJ - CARNEGIE CORP. OF NEW YORK, N.Y.  
 DT - R  
 IT - BOARDING SCHOOLS; DAY SCHOOLS; EDUCATIONAL ALTERNATIVES  
 IT - EDUCATIONAL OBJECTIVES; \*EDUCATIONAL PHILOSOPHY; \*HIGH SCHOOLS  
 IT - INFORMATION DISSEMINATION; \*OUTDOOR EDUCATION; PRIVATE SCHOOLS  
 IT - \*PROGRAM DESCRIPTIONS; PROGRAM DEVELOPMENT; \*PROGRAM EVALUATION  
 IT - PUBLIC SCHOOLS; RURAL AREAS; SECONDARY EDUCATION; SUBURBS  
 IT - URBAN AREAS  
 ST - \*EXPERIENTIAL LEARNING; \*OUTWARD BOUND  
 AB - DESCRIBING AND ANALYZING THE IMPACT OF OUTWARD BOUND (OB) PROGRAMS ON 12 HIGH SCHOOLS WHICH REFLECT OB INVOLVEMENT VARYING FROM 1 TO 5 YEARS AND INCLUDE URBAN, SUBURBAN, AND RURAL (PUBLIC, PRIVATE, BOARDING, AND DAY) SCHOOLS, THIS 1970-71 REPORT IS AIMED AT FURTHERING OB PHILOSOPHY AND METHOD. THE REPORT PRESENTS OB PROGRAM: BACKGROUND; EVALUATION PROCEDURES; INITIATION RATIONALE; FUNDING; IMPACT ANALYSIS; RECOMMENDATIONS; AND GENERALIZATIONS. BRIEF PROGRAM DESCRIPTIONS ARE PRESENTED IN THE APPENDIX FOR: EAST HIGH IN DENVER; TOLEDO PUBLIC SCHOOLS IN OHIO; TRENTON HIGH IN NEW JERSEY; CHURCHILL HIGH IN EUGENE, OREGON; CONCORD-CARLISLE IN MASSACHUSETTS; LINCOLN-SUDBURY IN MASSACHUSETTS; MINNETONKA HIGH IN EXCELSIOR, MINNESOTA; ST. ALBAN'S IN WASHINGTON D.C.; STERLING SCHOOL IN CRAFTSBURY COMMON, VERMONT; WEBB-BELL BUCKLE IN BELL BUCKLE, TENNESSEE; GERMANTOWN FRIENDS SCHOOL IN PHILADELPHIA; AND ADAMS CITY HIGH IN DENVER. MAJOR RECOMMENDATIONS PRESENTED ARE OB SHOULD: NOT IMPOSE ITS PHILOSOPHY UPON ITS PARTICIPATING SCHOOLS; BE SENSITIVE TO INSTITUTIONAL AND ADMINISTRATIVE PROGRAM READINESS; LEAVE PROGRAM DIRECTION/DEVELOPMENT TO SCHOOL PERSONNEL AS SOON AS POSSIBLE; CONSIDER THE KIND/DEGREE OF OB INVOLVEMENT (SPECIAL VS MAINSTREAM); AND CONTINUE TO ENCOURAGE INFORMATION DISSEMINATION AMONG PARTICIPATING SCHOOLS. THE CONCLUSIONS PRESENTED RE: OB IMPACT ARE OB PROGRAMS: FUNCTION AS A CATALYST; LEGITIMIZE EXPERIENTIAL EDUCATION; AND SERVE AS A VEHICLE FOR CURRICULUM REFORM. (JC)



AN - ED129520  
 CHAN - RC009481  
 TI - OUTWARD BOUND: A MEANS OF IMPLEMENTING GUIDANCE OBJECTIVES.  
 AU - LOVETT, RICHARD A.  
 PD - JUL 71  
 NO - 63P.; MASTER'S PROJECT, UNIVERSITY OF TOLEDO  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH,  
 CONNECTICUT 06830 (\$1.00). INTER-LIBRARY LOAN, UNIVERSITY TOLEDO,  
 TOLEDO, OHIO 43606  
 DT - R  
 IT - \*COMPARATIVE ANALYSIS; COUNSELING EFFECTIVENESS  
 IT - \*COUNSELING GOALS; COUNSELOR ROLE; DECISION MAKING  
 IT - \*EDUCATIONAL OBJECTIVES; FEMALES; GRADE 11; GRADE 12; GUIDANCE  
 IT - \*HIGH SCHOOL STUDENTS; HYPOTHESIS TESTING; LITERATURE REVIEWS  
 IT - MALES; MASTERS THESES; \*OUTDOOR EDUCATION; \*SELF CONCEPT  
 IT - SOCIAL RELATIONS; SURVEYS  
 ST - EXPERIENTIAL LEARNING; \*OUTWARD BOUND; TOLEDO PUBLIC SCHOOLS ON  
 AB - TESTING THE NULL HYPOTHESIS THAT THERE WOULD BE NO DIFFERENCES IN  
 SELF REPORTS ON A SENTENCE COMPLETION QUESTIONNAIRE (10 ITEMS)  
 RE: UNDERSTANDING OF SELF AND OTHERS BETWEEN 39 STUDENTS WHO HAD  
 PARTICIPATED IN OUTWARD BOUND (OB) AND A MATCHED GROUP OF 39  
 NON-PARTICIPANTS, 78 WOODWARD HIGH SCHOOL (TOLEDO, OHIO) MALE AND  
 FEMALE, JUNIOR AND SENIOR STUDENTS WERE SURVEYED. LITERATURE IN  
 THE COUNSELING FIELD WAS COMPARED WITH THAT OF OB FOR PURPOSES OF  
 DEMONSTRATING THE COMPATIBILITY OF OB AND COUNSELING OBJECTIVES  
 IN THE OB EXPERIENTIAL LEARNING SITUATION. RESULTS INDICATED:  
 GUIDANCE COUNSELING AND OB OBJECTIVES WERE QUITE SIMILAR;  
 COUNSELORS HAVE HAD DIFFICULTY FULFILLING THEIR OBJECTIVES IN THE  
 TRADITIONAL SCHOOL SETTING; THE OB PROGRAM IS STRUCTURED SO AS TO  
 FOSTER FULFILLMENT OF COUNSELING OBJECTIVES; OB STUDENT  
 PARTICIPANTS WERE MORE POSITIVELY AWARE OF SELF AND MORE  
 CONFIDENT IN DECISION MAKING AND SOCIAL INTERACTIONS THAN  
 NON-PARTICIPANTS; STUDENTS WORKING WITH GUIDANCE COUNSELORS IN A  
 PROGRAM BASED ON OB WOULD BECOME MORE AWARE OF SELF AND OTHERS  
 THAN THOSE PARTICIPATING IN A SIMILARLY STRUCTURED PROGRAM  
 WITHOUT THE PRESENCE OF GUIDANCE COUNSELORS; HIGH SCHOOL GUIDANCE  
 COUNSELORS WORKING IN A PROGRAM PROMOTING OB CONCEPTS WOULD MORE  
 LIKELY FULFILL THEIR TRUE COUNSELING ROLES AND FOSTER THE  
 COUNSELING CONCEPTS THEIR PROFESSION MOST DESIRES TO PROMOTE. (JC)

AN - ED129521  
 CHAN- RC005462  
 TI - EVALUATION OF OUTWARD BOUND TEACHERS' PRACTICA (D-T3, C-36T, C-39T, SUMMER 1969).  
 AU - HAWKES, GLENN; AND OTHERS  
 OS - OUTWARD BOUND, INC., GREENWICH, CONN.  
 PD - MAR 70  
 NO - 51P.  
 IS - RIE77FEB  
 PR - EDPS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH, CONNECTICUT 06830 (\$1.00)  
 DT - R  
 IT - ACADEMIC EDUCATION; DECISION MAKING; \*GROUP DYNAMICS  
 IT - \*INDIVIDUAL DEVELOPMENT; LEARNING PROCESSES; MIGRANT WORKERS  
 IT - \*OUTDOOR EDUCATION; \*PROGRAM EVALUATION; RURAL AREAS  
 IT - SENSITIVITY TRAINING; SKILL DEVELOPMENT  
 IT - STUDENT TEACHER RELATIONSHIP; \*TEACHER EDUCATION; URBAN AREAS  
 ST - COLORADO; DARTMOUTH COLLEGE; \*EXPERIENTIAL LEARNING  
 ST - \*OUTWARD BOUND  
 AB - THE PERSONAL AND PROFESSIONAL IMPACT OF TWO OUTWARD BOUND (OB) TEACHER'S PRACTICA (23-DAY COURSES INCLUDING GROUP AND SOLO WILDERNESS SURVIVAL, 3-DAY URBAN GHETTO, MIGRANT FAMILY EXPOSURE, AND ACADEMIC COMPONENTS) WERE EVALUATED BY A 5-MEMBER TEAM WHO ANALYZED POST-EXPERIENCE DATA DERIVED FROM PERSONAL INTERVIEWS (N=34); MAILED QUESTIONNAIRES (N=34); TAPES OF DEBRIEFING SESSIONS; TEACHER'S JOURNALS; AND FINAL PAPERS SUBMITTED BY THE PARTICIPANTS. A TOTAL OF 12 NATIONAL AND LOCAL OB STAFF MEMBERS WERE ALSO INTERVIEWED. GENERALLY, RESULTS INDICATED SIGNIFICANT CHANGES IN TEACHER BEHAVIOR (GREATER STUDENT SENSITIVITY, GREATER CONCERN FOR STUDENT NEEDS, AND LESS CONCERN FOR TRADITIONAL SCHOOL RITUALS AND CODES), BUT IT WAS RECOMMENDED THAT PROGRAM IMPROVEMENT COULD BE MADE VIA: GOAL CLARIFICATION; GREATER EMPHASIS ON THE RELEVANCE OF OB EXPERIENCES TO CLASSROOM TEACHING; GREATER OB STAFF SENSITIVITY TO THE NATURE OF TEACHERS; AN ACADEMIC COMPONENT THAT WAS MORE EXPERIENTIAL THAN THEORETICAL; A PREPARATORY READING LIST; LESS EMPHASIS UPON THE "PEAK EXPERIENCE" OF THE SOLO COMPONENT; INCLUSION OF THE HIGHLY SUCCESSFUL URBAN COMPONENT IN THE DARTMOUTH PROGRAM; GOAL CLARIFICATION OF THE MIGRANT COMPONENT FOR BOTH MIGRANT FAMILIES AND PARTICIPANTS; INCLUSION OF MORE SKILL TRAINING; RELOCATION OF THE DARTMOUTH COURSE TO A LESS INHABITED AREA; SUPPORTIVE FOLLOW-UP EFFORTS; MORE GROUP DECISION MAKING; ETC. (JC)

AN - ED129523  
 CHAN - RCC09485  
 TI - A MANUAL OF OUTDOOR EDUCATION.  
 AU - MILLER, REX A.  
 JS - CAMP SPEERS-ELJABAR YMCA, WESTFIELD, N.J.  
 PD - 74  
 NO - 103P.; NOT AVAILABLE IN HARD COPY DUE TO EXTENSIVE USE OF CLOSED PAPER IN ORIGINAL DOCUMENT  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 DT - G  
 IT - BIBLIOGRAPHIES; CREATIVE ART; \*CURRICULUM GUIDES; DEFINITIONS  
 IT - \*DISCOVERY LEARNING; GROUP DYNAMICS; INTEGRATED ACTIVITIES  
 IT - INTERDISCIPLINARY APPROACH; LANGUAGE ARTS; \*LEADERS GUIDES  
 IT - LEADERSHIP; LEARNING ACTIVITIES; \*LESSON PLANS; MATHEMATICS  
 IT - NATURAL SCIENCES; \*OUTDOOR EDUCATION; PHYSICAL EDUCATION  
 IT - RECREATION; \*RESIDENT CAMP PROGRAMS; SENSORY EXPERIENCE  
 IT - SOCIAL SCIENCES  
 AB - WITHIN THE REALM OF OUTDOOR EDUCATION, THERE ARE AS MANY DEFINITIONS OF WHAT IT IS OR WHAT IT ISN'T AS THERE ARE BOOKS. ONE DEFINITION IS THAT OUTDOOR EDUCATION IS TEACHING OUTSIDE THE CLASSROOM. IT COMBINES WITH AND BLENDS AS PART OF THE TOTAL CURRICULUM. THIS HANDBOOK IS DESIGNED AS A MANUAL TO HELP TRAIN AND SUPPORT STAFF RELATED TO OUTDOOR EDUCATION PROGRAMS. ALTHOUGH IT IS SPECIFICALLY ORIENTED TOWARD RESIDENT OUTDOOR EDUCATION PROGRAMS, MOST OF THE MATERIAL HAS BEEN GENERALIZED AND CAN EASILY BE USED BY A SCHOOL OR RESIDENT CENTER IN DEVELOPING AN APPROACH TO OUTDOOR EDUCATION. THE HANDBOOK INCLUDES: (1) DISCUSSIONS OF SENSORY AWARENESS, DISCOVERY LEARNING, GROUP DYNAMICS AND LEADERSHIP, AND THE THREE-LEGGED STOOL OF GROUP FUNCTION; STYLES OF LEADERSHIP; (2) LESSON UNITS FOR TEACHING CREATIVE ARTS, LANGUAGE ARTS, NATURAL SCIENCE, MATH, PHYSICAL EDUCATION AND RECREATION, AND SOCIAL SCIENCE; AND (3) SAMPLES OF FORMS, LISTS, AND EVALUATIONS, I.E., LETTER TO PARENTS, EQUIPMENT LIST, HEALTH FORM, PERMISSION SLIP FORM, A DAILY PROGRAM SCHEDULE, CAMP RULES AND REGULATIONS, DINING ROOM PROCEDURE (FAMILY STYLE FEEDING), SCHOOL MENU LIST, ACTIVITY SIGN-UP SHEETS, STUDENT INSTRUCTORS' RESPONSIBILITIES AND CAMP CONTRACT, AND PARENT ON-SITE EVALUATION. A 20-ITEM BIBLIOGRAPHY ON THEORIES AND PRACTICES OF OUTDOOR EDUCATION IS INCLUDED. (NO)

AN - ED129524  
 CHAN - RC005467  
 TI - A TWO-WEEK RESIDENT CAMP OFFERING THE PRIMARY OBJECTIVE OF  
 PREDETERMINED ATTITUDE CHANGE FOR EARLY ADOLESCENTS.  
 AU - COONS, ERNEST M.  
 PD - MAY 73  
 NO - 212P.; PH.D. DISSERTATION, UNIVERSITY OF NEW MEXICO  
 IS - RIE77FEP  
 PP - DOCUMENT NOT AVAILABLE FROM EDRS.  
 AV - INTER-LIBRARY LOAN, UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, NEW  
 MEXICO 87106  
 DT - T  
 IT - \*ADOLESCENTS; \*CHANGING ATTITUDES; COMPARATIVE ANALYSIS  
 IT - DISADVANTAGED YOUTH; DOCTORAL THESES; EDUCATIONAL ATTITUDES  
 IT - EDUCATIONAL DEVELOPMENT; LEARNING PROCESSES; LITERATURE REVIEWS  
 IT - OUTDOOR EDUCATION; \*PERCEPTUAL DEVELOPMENT; PROGRAM DEVELOPMENT  
 IT - RATING SCALES; \*RESIDENT CAMP PROGRAMS; \*SELF CONCEPT  
 IT - SOCIOECONOMIC INFLUENCES; SOCIOMETRIC TECHNIQUES  
 IT - STUDENT ATTITUDES; VOCABULARY  
 AB - A 12-DAY RESIDENT CAMP EXPERIENCE OFFERING THE PRIMARY OBJECTIVE  
 OF PREDETERMINED ATTITUDINAL CHANGE FOR THE PARTICIPANTS WAS  
 DEVELOPED AND COMPARED WITH A 12-DAY "TYPICAL CAMP" PROGRAM.  
 AREAS OF CONCERN WERE THE DEVELOPMENT OF A MORE POSITIVE  
 SELF-CONCEPT AND MORE POSITIVE ATTITUDES TOWARD SCHOOL AND THE  
 LEARNING PROCESS. BASIC PURPOSE OF THE "TYPICAL CAMP" PROGRAM WAS  
 TO USE THE SAME FACILITIES, STAFF, AND SIMILAR POPULATION AS A  
 CONTROL GROUP TO COMPARE THE PROGRAMS. THE SAMPLE INCLUDED  
 CHILDREN, AGE 10-13, DEFINED AND SELECTED AS EITHER CULTURALLY,  
 EDUCATIONALLY, SOCIALLY OR ECONOMICALLY DISADVANTAGED, AND  
 CHILDREN FROM THE SAME SCHOOLS WHO HAD PROVEN LEADERSHIP ABILITY  
 AND POSITIVE ATTITUDES TOWARD SCHOOL. RATING SCALES WERE  
 DEVELOPED WHICH PARALLEL THE FIVE ELEMENTS IDENTIFIED AS BEING  
 THE MAJOR FACTORS COMPRISING SELF-CONCEPT AND ATTITUDES TOWARD  
 LEARNING: PHYSICAL, SOCIAL-ETHICAL, AND PSYCHO-SEXUAL  
 PERCEPTIONS; AND ATTITUDES TOWARD THE VALUE OF LEARNING, OF  
 SCHOOL, AND OF THE TEACHER IN THE LEARNING PROCESS. DEVELOPED  
 WEPE: SELF-RATING, STAFF-RATING, AND GUIDANCE STAFF RATING SCALES  
 AND A "GUESS WHO" SOCIOMETRIC TECHNIQUE. THE THREE RATING SCALES  
 INDICATED THAT MORE POSITIVE ATTITUDES RESULTED FROM THE  
 EXPERIMENTAL GROUP THAN FROM THE CONTROL GROUP AT THE .05 LEVEL  
 OF CONFIDENCE. THE RESULTS OF THE SOCIOMETRIC ADMINISTRATION IN THE  
 EXPERIMENTAL GROUP ALSO SUPPORTED THIS CHANGE. (NQ)

AM - ED129528  
 CHAN - RC009493  
 TI - OUTDOOR PURSUITS: SELF TO NATURE ACTIVITIES -- A SUPPLEMENT TO THE PHYSICAL EDUCATION COURSE OF STUDY. THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, MARCH 1974.  
 AU - MINGIE, WALTER; AND OTHERS  
 OS - PROTESTANT SCHOOL BOARD OF GREATER MONTREAL (ONTARIO).  
 PD - MAR 74  
 NJ - 48P.  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 DT - G  
 IT - ACADEMIC ENRICHMENT; \*ACTIVITY LEARNING; ATHLETIC EQUIPMENT  
 IT - CAMPING; CLASS ORGANIZATION; \*COURSE CONTENT  
 IT - ELEMENTARY SECONDARY EDUCATION; \*GUIDELINES; INSTRUCTIONAL AIDS  
 IT - LEARNING ACTIVITIES; \*NEEDS; OBJECTIVES; \*OUTDOOR EDUCATION  
 IT - \*PHYSICAL EDUCATION; PHYSICAL RECREATION PROGRAMS; SAFETY  
 IT - SKILL DEVELOPMENT; SUPPLEMENTARY EDUCATION  
 AR - IN KEEPING WITH THE DEPARTMENT OF EDUCATION'S COURSE CONTENT IN PHYSICAL EDUCATION, THIS SUPPLEMENT TO THE PHYSICAL EDUCATION COURSE OF STUDY WAS PREPARED. SUGGESTIONS FOR TEACHING AND ORGANIZING CLASSES IN 16 "SELF TO NATURE" ACTIVITIES ARE OUTLINED. ACTIVITIES ARE: BACKPACKING, BICYCLING, BOATING, CAMPING, CANOEING, FISHING, HERBERTISME (AN OUTDOOR GYMNASTIC OR OBSTACLE COURSE), MOUNTAINEERING, ORIENTEERING, SAILING, SKATING, SKIING (ALPINE AND CROSS COUNTRY), SNOWSHOEING, SWIMMING, AND TOBOGGANING. OBJECTIVES, EQUIPMENT NEEDED, SKILLS, PRECAUTIONS NECESSARY, CLASS ORGANIZATION, AND PRELIMINARY INSTRUCTIONS ARE GIVEN FOR EACH ACTIVITY. THE LOCATION OF THE SCHOOL IN RELATION TO THE FACILITIES REQUIRED, THE AVAILABILITY OF THE EQUIPMENT NEEDED, AND THE ABILITY OF THE STAFF TO CONDUCT CLASSES IN THESE OUTDOOR PURSUITS, WILL DETERMINE WHAT ACTIVITIES CAN BE OFFERED TO THE STUDENTS. SCHOOLS WHICH HAVE CONDUCTED CLASSES IN THESE OUTDOOR PURSUITS HAVE FINANCED THE FACILITIES, EQUIPMENT AND TRANSPORTATION THROUGH SUCH MEANS AS THE ATHLETIC BUDGET, FIELD TRIP BUDGET (TRANSPORTATION), DIRECT CHARGE TO THE PARTICIPANTS, STUDENT SPONSORED MONEY RAISING EVENTS, AND ASSISTANCE FROM THE HOME AND SCHOOL ASSOCIATION. (NQ)

- AN - ED129529  
 CHAN - RC009454  
 TI - PREPARING PUPILS FOR RESIDENT OUTDOOR EDUCATION: A GUIDE BASED ON TWO CLASSES OF 6TH GRADE PUPILS. THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, JANUARY 1975.  
 AU - MINGIE, WALTER; AND OTHERS  
 OS - PROTESTANT SCHOOL BOARD OF GREATER MONTREAL (ONTARIO).  
 PD - JAN 75  
 NC - 16P.  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 DT - G  
 IT - \*ACTIVITY-LEARNING; CAMPING; CLASSIFICATION; CULTURAL AWARENESS  
 IT - DANCE; ELEMENTARY EDUCATION; FIRST AID; FOLK CULTURE; GEOLOGY  
 IT - GRADE 6; INSTRUCTIONAL AIDS; \*LEARNING ACTIVITIES; MUSIC  
 IT - \*OUTDOOR EDUCATION; \*RESIDENT CAMP PROGRAMS; \*RESOURCE GUIDES  
 IT - SAFETY; TREES  
 AB - THE RESIDENTIAL OUTDOOR PROGRAM INVOLVED 60 SIXTH GRADE STUDENTS, DIVIDED INTO 5 GROUPS, DISTRIBUTED AS EVENLY AS POSSIBLE. EACH GROUP CONSISTED OF LEADERS, FOLLOWERS, AND CHILDREN WITH EXPERIENCE IN THE FIELD AND THOSE WITHOUT EXPERIENCE. TEACHERS WERE ALSO DIVIDED INTO 5 GROUPS. USUALLY TWO OR THREE WORKING TOGETHER. EACH TEAM OF TEACHERS CHOSE TWO TOPICS WHICH THEY CONSIDERED THE MOST BENEFICIAL FOR THEIR CHILDREN'S TRAINING. EACH TEAM TAUGHT BOTH OF THEIR TOPICS FIVE TIMES; THUS, EACH GROUP OF CHILDREN EXPERIENCED ALL TOPICS. TOPICS WERE: COOKING, MUSIC, FIRST AID, WATERPROOFING, EROSION AND LAND FORMS, SHELTERS AND LATRINES, TREES, AMERICAN INDIAN LORE, ORIENTEERING, WATER SAFETY, AND TRACKS IDENTIFICATION. A GENERAL SESSION WAS HELD FOR ALL CHILDREN AND STAFF TO LEARN FOLK DANCING. THIS GUIDE BRIEFLY OUTLINES THE PUPILS' PREPARATION IN EACH TOPIC FOR THEIR RESIDENTIAL OUTDOORS SCHOOL. (NQ)

AN - ED129530  
 CHAN - RCC09496  
 TI - SCHOOLYMPIC ACTIVITIES, 75-76. (ACTIVITES ECOLYMPIQUES, 75-76.)  
 THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, FEBRUARY 1975.  
 AU - HUTTON, LEE, COMP.; AND OTHERS  
 CS - PROTESTANT SCHOOL BOARD OF GREATER MONTREAL (ONTARIO).  
 PD - FEB 75  
 NO - 57P.; IN FRENCH AND ENGLISH  
 IS - RIE77FER  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 DT - C  
 IT - BILINGUAL EDUCATION; CREATIVE ART; \*CURRENT EVENTS  
 IT - \*CURRICULUM GUIDES; ELEMENTARY SECONDARY EDUCATION; FILMS; FRENCH  
 IT - GROUP ACTIVITIES; HISTORY; \*INTERDISCIPLINARY APPROACH  
 IT - KINESTHETIC PERCEPTION; LANGUAGE ARTS; \*LEARNING ACTIVITIES  
 IT - MOTIVATION TECHNIQUES; MUSIC; OUTDOOR EDUCATION  
 IT - PHYSICAL EDUCATION; \*SIMULATION; SOCIAL SCIENCES  
 IT - STUDENT MOTIVATION  
 ST - \*OLYMPIC GAMES  
 AB - COMPILED BY THE CURRICULUM DEPARTMENT OF THE PROTESTANT SCHOOL  
 BOARD OF GREATER MONTREAL, THIS FRENCH AND ENGLISH GUIDE IS  
 INTENDED TO AID TEACHERS TO CAPITALIZE UPON THE OLYMPIC GAMES TO  
 PROMOTE EDUCATIONALLY SOUND ACTIVITIES. THE OBJECTIVE IS TO  
 DEVELOP AN INTEREST IN THE STUDENTS OF THE AIMS OF THE OLYMPIC  
 MOVEMENT AND TO DEVELOP A SOUND MIND IN A SOUND BODY. THE GUIDE  
 INCLUDES THE OLYMPIC MOTTO, SPIRIT, AND SYMBOLS; THE OLYMPIC  
 ANTHEM; OBJECTIVES OF THE OLYMPIC MOVEMENT; A BRIEF HISTORICAL  
 BACKGROUND OF THE OLYMPIC GAMES; AND THE OLYMPIC STANDARDS FOR  
 MEN AND WOMEN. USING THE OLYMPICS AS A THEME, ACTIVITIES ARE  
 GIVEN FOR TEACHING LANGUAGE ARTS (UPPER ELEMENTARY AND JUNIOR  
 HIGH), ART, CREATIVE ARTS AND CRAFTS, HOME ECONOMICS, MUSIC,  
 MOVEMENT EDUCATION, PHYSICAL EDUCATION, AND SOCIAL SCIENCES. (NQ)

AN - ED129531  
 CHAN - PC009497  
 TI - LOCATE, PLAN, DEVELOP, USE AN OUTDOOR CLASSROOM.  
 OS - SOIL CONSERVATION SERVICE (DOA), UPPER DARBY, PA.  
 PD - APR 75  
 NO - 25P.  
 IS - R1E77FEE  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 DT - G  
 IT - ACTIVITIES; ADVISORY COMMITTEES; ANNOTATED BIBLIOGRAPHIES  
 IT - COMMUNITY INVOLVEMENT; DISCOVERY LEARNING; EDUCATIONAL OBJECTIVES  
 IT - ELEMENTARY SECONDARY EDUCATION; FACILITIES; \*GUIDES  
 IT - LANGUAGE ARTS; MATHEMATICS; NATURAL RESOURCES; NEEDS ASSESSMENT  
 IT - \*OUTDOOR EDUCATION; \*PLANNING; \*PROGRAM DEVELOPMENT  
 IT - RESOURCE GUIDES; SCIENCES; \*SITE DEVELOPMENT; \*SITE SELECTION  
 AB - DESIGNED TO AID EDUCATIONAL INSTITUTIONS AND COMMUNITY  
 ORGANIZATIONS IN SELECTING, PLANNING, DEVELOPING AND USING  
 OUTDOOR LEARNING AREAS AS OUTDOOR CLASSROOMS, THIS GUIDE  
 INCLUDES: (1) LEARNING BY DISCOVERY (SCIENTIFIC, CULTURAL, AND  
 RECREATIONAL GOALS); (2) THE INITIAL PLANNING EFFORT (USE OF: A  
 PLANNING COMMITTEE INCLUDING TEACHERS, ADMINISTRATORS, LOCAL  
 LEADERS, AND STUDENTS; A TECHNICAL ADVISORY COMMITTEE; SOILS  
 MAPS; NATURAL RESOURCE INVENTORIES; REFERENCE BOOKS); (3) SITE  
 SELECTION (EXAMPLES OF SITES WITH: SCHOOL PROXIMITY; SOIL  
 DIVERSITY; WATER; SPECIFIC VEGETATION; ETC.); (4) SOILS MAPPING  
 AND RESOURCE INVENTORY (DEVELOPMENT OF: MAPS WITH PHOTOGRAPHIC  
 ENLARGEMENTS; SITE VISITS; AN AGRONOMIC AND TOWN/COUNTRY PLANNING  
 BALANCE; AREA INVENTORIES SUCH AS CUTOVER WOODLAND, WET, WHITE  
 PINE AND POND, BROOK, AND WOODLAND AREAS); (5) PLANNING THE  
 OUTDOOR CLASSROOM (FACILITIES AND SPECIAL STUDY POINTS SUCH AS:  
 SOIL EROSION; WEATHER STATIONS; PIONEER LIVING; OBSERVATION  
 PLATFORMS; ORIENTATION COURSES; SOIL PROFILES; WATER WELLS; TREE  
 STUMPS; TRAILS; ETC.); (6) SITE DEVELOPMENT (FINANCING, STUDENT  
 CONSTRUCTION, COMMITTEES, ETC.); (7) USING AND MAINTAINING AN  
 OUTDOOR CLASSROOM (SUGGESTIONS RE: BIOLOGY, CHEMISTRY, MATH,  
 ARTS, SHOP, HOME ECONOMICS, SOCIAL STUDIES, VOCATIONAL  
 AGRICULTURE, ECOLOGY, COMMUNICATION, AND ENGLISH); (8)  
 BIBLIOGRAPHY (24 ANNOTATED CITATIONS AND TWO FILMS). (JC)



AN - FD125532  
 CHAN - RC005458  
 TI - OUTDOOR EDUCATION FOR EMOTIONALLY HANDICAPPED STUDENTS IN CENTRAL  
 NEW YORK. FINAL REPORT, SEPTEMBER 1975. A REPORT ON PROJECT  
 75-940 FOR HANDICAPPED CHILDREN UNDER TITLE VI-B (AUGUST 1,  
 1974-JULY 31, 1975).  
 AU - MILLER, JAMES  
 OS - CNANDAGA NATURE CENTERS, INC., BALDWINVILLE, N.Y.  
 PD - SEP 75  
 NC - 70P.  
 IS - RIE77FER  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 SPD - BUREAU OF EDUCATION FOR THE HANDICAPPED (DHEW/OE), WASHINGTON,  
 D.C.  
 SPD - NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU FOR MENTALLY  
 HANDICAPPED CHILDREN.  
 DT - R  
 IT - COMMUNICATION SKILLS; COMPARATIVE ANALYSIS  
 IT - EDUCATIONAL OBJECTIVES; \*EFFECTIVE TEACHING  
 IT - \*FUNCTIONALLY DISTURBED; ENVIRONMENTAL EDUCATION  
 IT - FORMATIVE EVALUATION; MOTOR DEVELOPMENT; \*OUTDOOR EDUCATION  
 IT - PARTICIPANT INVOLVEMENT; PILOT PROJECTS; \*PROGRAM EVALUATION  
 IT - SELF CONCEPT; SOCIAL DEVELOPMENT; SPECIAL EDUCATION  
 IT - \*STUDENT ATTITUDES; \*STUDENT BEHAVIOR; STUDENT DEVELOPMENT  
 IT - TEACHER EVALUATION  
 ST - ELEMENTARY SECONDARY EDUCATION ACT TITLE VI B; ESEA TITLE VI B  
 ST - \*NEW YORK (CENTRAL)  
 AB - PRE- AND POST-TESTS WERE ADMINISTERED TO THREE TREATMENT (136  
 EMOTIONALLY HANDICAPPED, 8 PHYSICALLY HANDICAPPED, AND 79  
 TRAINABLE MENTALLY RETARDED STUDENTS) AND TWO NON-TREATMENT  
 GROUPS (11 EMOTIONALLY HANDICAPPED AND 70 NON-HANDICAPPED  
 STUDENTS) FOR PURPOSES OF ASSESSING TEACHER, STUDENT, AND PROGRAM  
 CENTERED OBJECTIVES. ADMINISTERED OR COMPLETED BY THE 21 TEACHERS  
 INVOLVED, THE INSTRUMENTS EMPLOYED WERE: THE STUDENT CONTENT  
 TEST; THE STUDENT ATTITUDE SURVEY; THE GENERAL CLASSROOM BEHAVIOR  
 TEACHER RATING SCALE; THE PARTICIPANT EVALUATION; AND THE  
 PARTICIPANT NARRATIVE EVALUATION. THE FOUR TEACHER CENTERED  
 OBJECTIVES FOCUSED ON KNOWING THE WHAT, WHERE, HOW, AND WHY OF  
 OUTDOOR TEACHING; THE THREE STUDENT CENTERED OBJECTIVES FOCUSED  
 ON INCREASED COMPREHENSION OF THE NATURAL WORLD, SELF, AND  
 OTHERS; AND THE PROGRAM OBJECTIVES FOCUSED ON IMPROVEMENT OF  
 STUDENT COMMUNICATION SKILLS, UNDERSTANDING RE: LOCAL-ENVIRONMENT  
 AND ENVIRONMENTAL PROBLEMS, SOCIAL RESPONSES, AND  
 MANIPULATIVE/MOTOR SKILLS. RESULTS INDICATED 7 OF THE 13  
 OBJECTIVES WERE MET AND 3 WERE PARTIALLY MET, WHILE 3 OF THE  
 PROGRAM OBJECTIVES WERE NOT DIRECTLY MEASURABLE. SINCE 3 OF THE  
 13 OBJECTIVES WERE NOT MEASURABLE, IT WAS CONCLUDED THAT THE  
 PROJECT WAS NEARLY 100% SUCCESSFUL. (JC)

AN - ED129533  
 CHAV - RCC05C2  
 TI - RINGED BIRDS: STORY OF BIRD BANDING AT THE LORADO TAFT FIELD  
 CAMPUS, 1956-1973. TAFT CAMPUS OCCASIONAL PAPER NO. 18.  
 AU - GUPTILL, WAYNE; WADE, DOUGLAS E.  
 OS - NORTHERN ILLINOIS UNIV., OREGON. LORADO TAFT FIELD CAMPUS.  
 PD - 6 MAY 74  
 NG - 19P.  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 DT - R  
 IT - \*ANIMAL BEHAVIOR; BIBLIOGRAPHIES; EDUCATIONAL PHILOSOPHY  
 IT - \*LEARNING ACTIVITIES; \*OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 IT - RECORDKEEPING; RESEARCH METHODOLOGY; \*TEACHER EDUCATION  
 ST - \*BIRD BANDING; \*NORTHERN ILLINOIS UNIVERSITY TAFT FIELD CAMPUS  
 AB - PUBLISHED TO AID STUDENTS IN COMPREHENDING THE PHILOSOPHY OF THE  
 DEPARTMENT OF OUTDOOR TEACHER EDUCATION AT NORTHERN ILLINOIS  
 TAFT FIELD CAMPUS, THIS PAPER ON BIRD BANDING ENCOMPASSES: (1) A  
 BRIEF HISTORY OF BIRD BANDING; (2) THE RATIONALE BEHIND BIRD  
 BANDING; (3) A DESCRIPTION OF THE BIRD BANDING STATION AT THE  
 LORADO TAFT FIELD CAMPUS AND ITS HISTORY FROM 1956 TO 1973,  
 INCLUDING A SUMMARY OF THE NUMBER AND SPECIES OF BIRDS BANNED;  
 (4) THE TYPES OF TRAPS USED; (5) TAFT'S RECORD KEEPING  
 PROCEDURES, INCLUDING EXEMPLARY FORMS; (6) AN ANALYSIS OF THE  
 TAFT STATION BANDING RECORDS; (7) STATISTICS RELATIVE TO THE TAFT  
 BIRDS FOUND ELSEWHERE; (8) THE MORTALITY RATE OF THE BIRDS BANNED  
 AT TAFT; (9) STATISTICS ON BIRD MIGRATION PATTERNS; (10)  
 PREVENTION OF THE HARMFUL USE OF BIRD BANDS; (11) THE POPULATION  
 DYNAMICS OF TAFT BIRDS; (12) THE YEARLY PERCENTUM OF RETURNS OF  
 THE BIRDS BANNED AT TAFT; (13) THE LONGEVITY OF BIRDS; (14) THE  
 EDUCATIONAL IMPLICATIONS OF BANDING ACTIVITIES; (15) SUGGESTIONS  
 FOR IMPROVEMENT OF BIRD BANDING AT TAFT (E.G., PROMOTE ANNUAL  
 WORKSHOPS ON BIRD BANDING; REQUIRE A SHORT COURSE ON BIRD BANDING  
 FOR ALL GRADUATE ASSISTANTS AT TAFT; DEVELOP A COLOR BANDING  
 PROCEDURE; IMPROVE/STANDARDIZE THE WEATHER STATION; PREPARE  
 PUBLICATIONS RE: BANDING OUTCOMES; PROMOTE SUSTAINED RESEARCH;  
 ETC.); (16) A BIRD BANDING BIBLIOGRAPHY (7 PERIODICALS, 2  
 CATALOGUES, AND 17 ANNOTATED BOOK, ARTICLE, AND PAMPHLET  
 CITATIONS). (JC)

AN - ED129534  
 CHL - RCC09503  
 TI - GLOSSARY OF WATER RESOURCES TERMS. TAFT CAMPLS OCCASIONAL PAPER NO. X.  
 AU - VOGL, ROBERT; VOGL, SONIA  
 OS - NORTHERN ILLINOIS UNIV., OREGON. LORADO TAFT FIELD CAMPUS.  
 PD - 73  
 NO - 10P.  
 IS - RIE77FEP  
 PR - EDPS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 DT - V  
 IT - \*GLOSSARIES; \*INSTRUCTIONAL MATERIALS; \*OUTDOOR EDUCATION  
 IT - \*TEACHER EDUCATION; \*WATER RESOURCES  
 AB - A PRODUCT OF THE DEPARTMENT OF OUTDOOR TEACHER EDUCATION PROGRAM, AT NORTHERN ILLINOIS UNIVERSITY, THIS GLOSSARY OF WATER RESOURCES TERMS INCLUDES 87 BRIEFLY DEFINED ENTRIES. EXAMPLES OF THE TERMS AND DEFINITIONS PRESENTED ARE: ACIDITY (PRESENCE OF ACIDS IN THE WATER WHICH PRODUCE A PH BELOW SEVEN); BATHYMETRY (STUDY OF LAKE BOTTOM CONTOURS); COLIFORM BACTERIA (A GROUP OF HARMLESS BACTERIA WHICH EXIST IN THE INTESTINES OF WARM BLOODED ANIMALS, USUALLY AN INDICATION OF THE PRESENCE OF SEWAGE OR HARMFUL BACTERIA); DROGUE (A DEVICE USED TO MEASURE WATER CURRENTS, USUALLY SUPPORTED BY A BUOY); EPILIMNION (THE WARM, LIGHT, UPPER LEVEL OF A STRATIFIED LAKE); GROIN (A NARROW STRUCTURE BUILT OUT INTO A LAKE FROM THE SHORE WHICH IS MEANT TO PROTECT THE SHORE FROM EROSION); HYPOLIMNION (THE COLD, HEAVY, LOWER LEVEL OF A STRATIFIED LAKE); LEE (THE SIDE OF A LAKE AWAY FROM THE PREVAILING WINDS, OR AN AREA PROTECTED FROM THEM); MARINE (INVOLVED WITH LARGE BODIES OF WATER, USUALLY THOSE WHICH ARE SALINE); NUTRIENTS (MATERIALS WHICH SUPPORT GROWTH, ESPECIALLY OF PLANTS); OUTFALL (THE END OF A PIPE OR TUBE WHICH DISCHARGES EFFLUENT INTO A BODY OF WATER, OR THE EFFLUENT ITSELF); PARAMETERS (THINGS WHICH ARE MEASURED, USUALLY IN RELATION TO SCIENTIFIC STUDIES OR EXPERIMENTS); SALINE (SALTY); ZOOPLANKTON (ANIMAL PLANKTON). (JC)

AN - ED129535  
 CHAN - RC009504  
 TI - COOPERATIVE PROGRAMS IN RESIDENTIAL OUTDOOR ENVIRONMENTAL  
 EDUCATION: TEACHER'S MATERIALS PACKET.  
 OS - MARIN COUNTY SUPERINTENDENT OF SCHOOLS, CORTE MADERA, CALIF.  
 NO - 28P.; NOT AVAILABLE IN HARD COPY DUE TO USE OF COLORED PAPER IN  
 ORIGINAL DOCUMENT  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 DT - G  
 IT - \*ACTIVITIES; ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; \*OUTDOOR EDUCATION  
 IT - PROGRAM DESCRIPTIONS; RECORDS (FORMS); \*RESIDENTIAL PROGRAMS  
 IT - TEACHER RESPONSIBILITY; TEACHER ROLE; \*TEACHING GUIDES  
 ST - \*CALIFORNIA (MARIN COUNTY); \*REDWOOD GLEN RESIDENT OUTDOOR SC  
 AB - SERVING AS TEACHER ORIENTATION MATERIALS FOR THE COOPERATIVE  
 PROGRAMS IN RESIDENTIAL OUTDOOR EDUCATION LOCATED IN MARIN  
 COUNTY, CALIFORNIA, THIS GUIDE INCLUDES THE FOLLOWING: (1) "THIS  
 I BELIEVE" (A PHILOSOPHICAL STATEMENT ON OUTDOOR ENVIRONMENTAL  
 EDUCATION); (2) "OUTDOOR SCIENCE AND CONSERVATION EDUCATION  
 REPORT" (A BRIEF HISTORY OF OUTDOOR EDUCATION; THE LEGALITY OF  
 OUTDOOR ENVIRONMENTAL EDUCATION; A DESCRIPTION OF THE OBJECTIVES,  
 STUDY AREAS, AND ACTIVITIES INCLUDED IN THE MARIN COUNTY PROGRAM;  
 AND THE HISTORICAL DEVELOPMENT OF THE MARIN PROGRAM); (3) "ROLES  
 AND RESPONSIBILITIES OF THE CLASSROOM TEACHER" (SPECIFICS RE:  
 CLASS PREPARATION, CABIN GROUPING, PRE-OUTDOOR ACTIVITIES,  
 CURRICULUM PLANNING, TEACHER PARTICIPATION, AND CLASSROOM  
 FOLLOW-UP); (4) "OUTDOOR EDUCATION ACTIVITY: A ONE-WEEK SEQUENCE"  
 (EXEMPLIFIES THE WAY IN WHICH THE OUTDOORS MAY BE USED AS A  
 LEARNING ENVIRONMENT AND INCLUDES EDUCATIONAL OBJECTIVES RE:  
 STREAM, MEADOW, CHAPARRAL, TIDE POOL, OCEAN, FOREST, AND MARSH  
 ENVIRONMENTS); (5) "ALONG THE WAY: A ROUTE TO MARIN COUNTY'S  
 RESIDENT OUTDOOR SCHOOL" (INCLUDES A MAP OF THE SAN FRANCISCO BAY  
 AREA AND A NARRATIVE DESCRIBING MAJOR POINTS OF INTEREST IN TERMS  
 OF THEIR ENVIRONMENTAL HISTORY); (6) THE PARENTAL PERMISSION AND  
 HEALTH FORMS USED BY THE MARIN COUNTY SCHOOLS OUTDOOR SCIENCE AND  
 CONSERVATION EDUCATION PROGRAM. (JC)

AN - ED126536  
 CHAN- RC009505  
 YI - AN EMPIRICAL RESEARCH STUDY OF 4-H CLUB CAMPING IN SOUTHEAST MISSOURI.  
 AU - AKERS, LESTER O.  
 PD - 68  
 NO - 42P.; A REPORT PRESENTED TO THE DEPARTMENT OF EXTENSION EDUCATION, UNIVERSITY OF MISSOURI, COLUMBIA, FOR A SPECIAL PROBLEM IN EXTENSION EDUCATION 400  
 IS - R1E77FEB  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 DT - R  
 IT - \*CAMPING COSTS; EXTENSION AGENTS; EXTENSION EDUCATION  
 IT - GROUP MEMBERSHIP; \*OUTDOOR EDUCATION; PARENTS; PROGRAM EVALUATION  
 IT - PUBLICIZE; RECREATIONAL ACTIVITIES; RECRUITMENT; \*SURVEYS  
 IT - \*TABLES (DATA); TEACHING METHODS; YOUTH; \*YOUTH CLUBS  
 ST - \*4H CLUBS; \*MISSOURI (SOUTHEAST)  
 AB - INVESTIGATING THE NATURE, SCOPE, AND SIGNIFICANCE OF 4-H CLUB CAMPING EXPERIENCES AND THE DEVELOPMENT OF EXTENSION EDUCATION IN 17 SOUTHEAST MISSOURI COUNTIES, AN EVALUATIVE ANALYSIS WAS MADE OF DATA DERIVED FROM QUESTIONNAIRES DIRECTED TO: 1967 4-H CAMPERS (N=231); CAMPER PARENTS (N=36); 4-H NON-CAMPERS AND THEIR PARENTS (N=29); RANDOMLY SELECTED CAMPERS AND NON-CAMPERS (N=10 EACH); AND EXTENSION AGENTS (N=12). CORRELATING PUBLISHED TECHNICAL DATA WITH THAT FROM THE FIVE QUESTIONNAIRES, THE FOLLOWING WERE ADDRESSED: REASONS FOR 4-H CAMPING; ACTIVITIES PREFERRED TO CAMPING; PROGRAM ACTIVITIES CONSIDERED IMPORTANT BY CAMPERS AND NON-CAMPERS; CAMPING COSTS AND DECREASES IN CAMPING MEMBERSHIP; REASONS FOR DECREASES IN CAMP MEMBERSHIP AND ADULT CAMPING ENTHUSIASM; YOUTH AGENTS AND THE NEED FOR TECHNICAL TRAINING RE: CAMPING; EXTENSION PERSONNEL RATINGS RE: CAMPING AS A TEACHING METHOD, A RECREATION ACTIVITY, AND A 4-H PROMOTION TECHNIQUE. RESULTS INDICATED: CAMPING MEMBERS, THEIR PARENTS, AND EXTENSION AGENTS THINK CAMPING IS A VALUABLE EDUCATIONAL EXPERIENCE; AGENTS SEE CAMPING AS A METHOD OF TEACHING SOCIAL GROUP BEHAVIOR, INDIVIDUAL DEVELOPMENT, AND OUTDOOR SUBJECT MATTER; PARENTS AND AGENTS RATE CAMPING HIGH AS A RECREATIONAL ACTIVITY; IMPORTANT NEEDS INCLUDE EXPANDING ADULT AND MEMBER INVOLVEMENT IN PROGRAM DEVELOPMENT, DEVELOPING RECRUITMENT/PROMOTION METHODS, STUDYING BUSINESS MANAGEMENT OF CAMP FACILITIES, AND EDUCATING AGENTS ABOUT THE TECHNICAL NATURE OF CAMPING. (JC)

AN - ED125537  
 CHAN - RC009506  
 TI - ENVIRONMENTAL EDUCATION AND FIELD STUDIES PROGRAMS IN THREE  
 SELECTED N. W. EUROPEAN AREAS.  
 AU - VANDENHAZEL, B. J.  
 PC - 76  
 NO - 26P.; NOT AVAILABLE IN HARD COPY DUE TO EXTENSIVE USE OF COLORED  
 PAPER IN ORIGINAL DOCUMENT  
 IS - RI077FEP  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 DT - R  
 IT - \*COMPARATIVE ANALYSIS; CONCEPT FORMATION; EDUCATIONAL PROBLEMS  
 IT - ENVIRONMENTAL EDUCATION; \*FIELD STUDIES; HIGHER EDUCATION  
 IT - ORGANIZATION; \*OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 IT - SCIENCE INSTRUCTION; SURVEYS; \*TEACHER EDUCATION; \*TEXTBOOKS  
 ST - \*EUROPE (NORTHWEST); NETHERLANDS; ONTARIO; UNITED KINGDOM  
 ST - WEST GERMANY  
 AB - DESCRIBING INFORMATION GATHERED FROM A THREE-WEEK (1976) TOUR OF  
 ENVIRONMENTAL EDUCATION FIELD STUDIES PROGRAMS IN FACULTIES OF  
 EDUCATION AND TEACHERS' COLLEGES LOCATED IN THE UNITED KINGDOM,  
 THE NETHERLANDS, AND WESTERN GERMANY, THIS REPORT PRESENTS  
 COMPARATIVE PROGRAM AND TEXT SUMMARIES AND RECOMMENDS PROCEDURES  
 FOR THE ONTARIO MINISTRY OF EDUCATION IN CANADA. PRESENTED BY  
 COUNTRY. THE SUMMARIES INCLUDE: ORGANIZATIONAL PROCEDURES;  
 SCIENCE, GEOGRAPHY, AND GENERAL ENVIRONMENTAL TEXTS; PROGRAM  
 SCOPE; SPECIAL INTERESTS; EDUCATIONAL PROBLEMS FREQUENTLY  
 REFERRED TO IN THE MEDIA; EDUCATIONAL ENVIRONMENTAL TOPICS,  
 CONCEPTS, COURSES, AND TEACHER GUIDES; AND THE TEXTS USED AT THE  
 SECONDARY LEVEL. IN GENERAL, THIS REPORT INDICATES THAT IN THESE  
 COUNTRIES, ELEMENTARY SCHOOL TEACHING REQUIRES THREE TO FOUR  
 YEARS OF PREPARATION AT SPECIAL EDUCATIONAL INSTITUTES; FOUR TO  
 SIX DAY FIELD SESSIONS IN GEOGRAPHY AND ENVIRONMENTAL SCIENCE  
 DURING THE FIRST AND SECOND YEARS OF STUDY; AND SEVERAL HALF-DAY  
 AND ONE-DAY FIELD STUDIES IN THE FINAL YEAR. RECOMMENDATIONS ARE  
 PRESENTED AS FOLLOWS: ONTARIO STUDENT TEACHERS SHOULD BE INVOLVED  
 IN A MINIMUM OF FIVE DAYS OF FIELD STUDIES PER YEAR AND SHOULD  
 RECEIVE INSTRUCTION RE: PREPARATION/IMPLEMENTATION OF  
 DAY-EXCURSIONS; AND THE ONTARIO MINISTRY OF EDUCATION SHOULD  
 CONDUCT CONTINUOUS SURVEYS OF FOREIGN EDUCATIONAL LITERATURE AND  
 SHOULD ENCOURAGE SCHOOL BOARDS TO RETAIN OR REPURCHASE SMALL  
 RURAL SCHOOLS SUITABLE FOR FIELD STUDIES. (JC)

AN - ED129538  
 CHAV - RCC095CE  
 TI - A STUDY OF FACTORS IMPORTANT TO ENVIRONMENTAL  
 (CONSERVATION-OUTDOOR) EDUCATION INSTRUCTION.  
 AU - BUTERBAUGH, WANDA KAY  
 PD - MAY 7C  
 NO - 82P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF  
 ORIGINAL DOCUMENT. ME THESIS, SLIPPERY ROCK STATE COLLEGE  
 IS - RIE77FEB  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - INTER-LIBRARY LGAN, SLIPPERY ROCK STATE COLLEGE, SLIPPERY ROCK,  
 PENNSYLVANIA 16057  
 DT - T  
 IT - BIOLOGICAL SCIENCES; CONCEPT FORMATION; CONSERVATION EDUCATION  
 IT - COURSE CONTENT; CURRICULUM; ELEMENTARY SCHOOL TEACHERS  
 IT - \*ENVIRONMENTAL EDUCATION; \*GRADUATE STUDY; INSERVICE COURSES  
 IT - LITERATURE REVIEWS; MASTERS THESES; \*NEEDS ASSESSMENT  
 IT - OUTDOOR EDUCATION; \*PROFESSIONAL PERSONNEL  
 IT - PROFESSIONAL RECOGNITION; \*SURVEYS; \*TEACHER EDUCATION  
 IT - \*UNDERGRADUATE STUDY  
 AB - IN CONJUNCTION WITH A LITERATURE REVIEW, 100 RECOGNIZED LEADERS  
 IN ENVIRONMENTAL EDUCATION AND RELATED FIELDS WERE SURVEYED VIA A  
 MAIL QUESTIONNAIRE FOR PURPOSES OF DETERMINING THE KNOWLEDGE AND  
 SKILL CONCEPTS DEEMED NECESSARY FOR OUTDOOR/ENVIRONMENTAL  
 EDUCATION TEACHERS AT BOTH THE ELEMENTARY AND SECONDARY LEVELS.  
 THE SURVEY ELICITED A 67% RESPONSE TO FIVE QUESTIONS RE:  
 ENVIRONMENTAL EDUCATION; PROGRAM EMPHASIS; COURSE REQUIREMENTS;  
 TEACHER IN-SERVICE TRAINING; KNOWLEDGE AND SKILL COMPETENCY  
 LEVELS; AND THE GENERAL STATE OF TEACHER PREPARATION PROGRAMS.  
 RESULTS INDICATED THAT UNDERGRADUATE PROGRAMS FOR OUTDOOR  
 EDUCATORS SHOULD INCLUDE: ONE OR TWO ENVIRONMENTAL EDUCATION  
 COURSES; AN ADEQUATE UNDERSTANDING OF THE BIOLOGICAL SCIENCES  
 (BIOLOGY, BOTANY, HISTORY, AND PHILOSOPHY) AND ENVIRONMENTAL AND  
 CONSERVATION EDUCATION CONCEPTS, HISTORY, AND PHILOSOPHY; AN  
 INTEGRATED OR INTERDISCIPLINARY APPROACH TO COURSES IN BIOLOGY,  
 HISTORY, GEOGRAPHY, POLITICAL SCIENCE, AND NATURAL RESOURCES;  
 GREATER EMPHASIS UPON ELEMENTARY TEACHER PREPARATION CURRICULA.  
 AT THE GRADUATE LEVEL, RESULTS INDICATED TEACHERS NEEDED: A  
 MINIMUM OF 30 HOURS OF APPROVED COURSES; 6 HOURS OF PROFESSIONAL  
 EDUCATION COURSES; A B AVERAGE; A 6-YEAR LIMIT ON THE MASTER'S  
 DEGREE; A THESIS OR RESEARCH PROJECT; SPECIALIZATION IN OUTDOOR  
 EDUCATION AND CONSERVATION, ENVIRONMENTAL EDUCATION  
 STUDIES/PROBLEMS, OR SOCIAL STUDIES; AND FIELD WORK IN VARIOUS  
 COURSES. (JC)

AN - ED129549  
 CHAN - RCO09542  
 TI - A COMPARISON OF AFFECTIVE CHANGES BETWEEN ECONOMICALLY  
 DISADVANTAGED AND ADVANTAGED SIXTH GRADERS AT A RESIDENT OUTDOOR  
 EDUCATION PROGRAM.  
 AU - FLETCHER, SARAH ANN  
 PD - DEC 73  
 NO - 97P.; DOCTOR OF RECREATION DISSERTATION, INDIANA UNIVERSITY. PAGE  
 45 MAY NOT REPRODUCE WELL  
 IS - R1E77FEE  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE.  
 AV - INTER-LIBRARY LOAN, INDIANA UNIVERSITY, BLOOMINGTON, INDIANA 47401  
 DT - T  
 IT - \*AFFECTIVE BEHAVIOR; BEHAVIORAL SCIENCE RESEARCH; \*CAMPING  
 IT - \*COMPARATIVE ANALYSIS; DOCTORAL THESES  
 IT - \*ECONOMICALLY DISADVANTAGED; \*ELEMENTARY EDUCATION; GRADE 6  
 IT - GROUP RELATIONS; INTERPERSONAL COMPETENCE; LITERATURE REVIEWS  
 IT - LOCUS OF CONTROL; \*OUTDOOR EDUCATION; POST TESTING; PRETESTING  
 IT - RESIDENTIAL PROGRAMS; RESPONSIBILITY; SELF CONCEPT  
 IT - SELF EVALUATION; SOCIOECONOMIC STATUS; TRANSFER OF TRAINING  
 ST - ALL ABOUT MYSELF SCALE; EXPERIENTIAL LEARNING  
 ST - NOWICKI STRICKLAND LOCUS OF CONTROL; \*TOLEDO OHIO PUBLIC SCHOOLS,  
 AB - EXAMINING THE DIFFERENCES IN AFFECTIVE OUTCOMES OF ECONOMICALLY  
 ADVANTAGED AND DISADVANTAGED 6TH GRADE STUDENTS ATTENDING A 5-DAY  
 RESIDENTIAL OUTDOOR EDUCATION PROGRAM IN THE TOLEDO OHIO PUBLIC  
 SCHOOLS, PRE- AND POST-TESTS WERE ADMINISTERED TO RANDOMLY  
 SELECTED SAMPLES OF 25 ADVANTAGED MALES AND FEMALES AND 25  
 DISADVANTAGED MALES AND FEMALES. ADDITIONALLY, A LITERATURE  
 REVIEW WAS CONDUCTED RE: COMPENSATORY EDUCATION, SELECTED ASPECTS  
 OF ECONOMICALLY DISADVANTAGED CHILDREN, AND OUTDOOR EDUCATION.  
 THE INSTRUMENTS USED WERE: THE NOWICKI-STRICKLAND LOCUS OF  
 CONTROL (MEASUREMENT OF THE INTERNAL-EXTERNAL DIMENSIONS); THE  
 ALL ABOUT MYSELF SCALE (SELF-EVALUATION); AND A PRE- AND  
 POST-CAMP QUESTIONNAIRE DEVELOPED BY THE TOLEDO PUBLIC SCHOOLS  
 OFFICE OF EVALUATION. FINDINGS INDICATED: ALTHOUGH THE  
 DISADVANTAGED STUDENTS HAD A MORE EXTERNAL LOCUS OF CONTROL (LIFE  
 IS DICTATED BY FATE), THE 5-DAY PROGRAM CAUSED BOTH GROUPS TO  
 BECOME MORE SELF-RELIANT AND SELF-CONFIDENT; ALL STUDENTS HAD  
 MODERATELY IMPROVED IN COOPERATION WITH OTHERS; THERE WAS ONLY A  
 MODERATE TRANSFER OF POSITIVE VALUES TO THE CLASSROOM; THE  
 MAJORITY OF STUDENTS LIKED CAMP, WANTED TO RETURN, WISHED THEY  
 COULD HAVE STAYED LONGER, AND FELT THEY HAD MADE NEW FRIENDS; AND  
 THE NOWICKI-STRICKLAND LOCUS OF CONTROL APPEARED MORE VALUABLE  
 THAN EITHER OF THE OTHER TWO INSTRUMENTS. (JC)



AN - ED13C8C7  
 CHAN - RCC05472  
 TI - THE OUTDOORS: AN ENVIRONMENTAL CCNDITION TO NURTURE CREATIVE THINKING.  
 AU - JURIK, RICHARD A.  
 PD - MAR 72  
 NO - 99P.; M.ED. THESIS, PENNSYLVANIA STATE UNIVERSITY  
 IS - RIET7MAR  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE.  
 AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERITY, UNIVERSITY PARK, PENNSYLVANIA 16802  
 DT - T  
 IT - ACTIVITY UNITS; ART ACTIVITIES; COMPARATIVE ANALYSIS  
 IT - \*CREATIVE THINKING; \*CREATIVITY TESTS; DISCOVERY PROCESSES  
 IT - ELEMENTARY EDUCATION; ELEMENTARY SCHOOL SCIENCE  
 IT - \*ENVIRONMENTAL INFLUENCES; \*GRADE 6; LEARNING ACTIVITIES  
 IT - LITERATURE REVIEWS; MASTERS THESES; MUSIC  
 IT - NATURE NURTURE CONTROVERSY; \*OUTDOOR EDUCATION; SOCIAL STUDIES  
 IT - TEST RELIABILITY; TEST VALIDITY; THOUGHT PROCESSES  
 ST - TORRANCE TESTS OF CREATIVE THINKING  
 AB - THE STUDY DETERMINED WHETHER USING OUTDOOR EXPERIENCES AS A TEACHING MEDIUM INCREASED THE LEVEL OF CREATIVE THOUGHT FOR SIXTH GRADE CHILDREN. FOUR FACTORS OF CREATIVITY WERE MEASURED: FIGURAL FLUENCY, FIGURAL FLEXIBILITY, FIGURAL ORIGINALITY, AND FIGURAL ELABORATION; TWO GROUPS OF SIXTH GRADE PUPILS, ONE EXPERIMENTAL (WITH 30 CHILDREN) AND THE OTHER CONTROL (WITH 25 CHILDREN), WERE USED. BOTH GROUPS WERE TESTED AT THE BEGINNING OF THE EXPERIMENT, USING THE TORRANCE TESTS OF CREATIVE THINKING. THE EXPERIMENTAL GROUP EXPERIENCED 13 OUTDOOR EDUCATION ACTIVITIES INCORPORATED INTO UNITS WITHIN THE CURRICULUM AREAS OF SOCIAL STUDIES, SCIENCE, ART, AND MUSIC; THE CONTROL GROUP HAD NO OUTDOOR EDUCATION ACTIVITIES. AFTER 45 SCHOOL DAYS BOTH GROUPS WERE GIVEN THE TORRANCE TESTS OF CREATIVE THINKING. THE TESTS MEASURED NONVERBAL CREATIVITY. FINDINGS INCLUDED: OUTDOOR EDUCATION ACTIVITIES DID NOT IMPROVE THE LEVEL OF MEASURED CREATIVE THINKING FACTORS OF THE EXPERIMENTAL GROUP; PUPILS IN THE CONTROL CLASS SIGNIFICANTLY INCREASED IN FIGURAL ORIGINALITY AND ELABORATION; OUTDOOR EDUCATION ACTIVITIES HAD AN EFFECT IN NONVERBAL CREATIVITY OF GIRLS IN THE EXPERIMENTAL CLASS BUT NOT OF BOYS; AND BOYS IN THE CONTROL CLASS HAD NO SIGNIFICANT GAINS IN THE FOUR MEASURED CREATIVITY FACTORS WHILE THE GIRLS HAD A SIGNIFICANT GAIN IN FIGURAL ORIGINALITY AND ELABORATION. (NQ)

AN - ED13C813  
 CHA - RCC09509  
 TI - MINGO NATIONAL WILDLIFE REFUGE ENVIRONMENTAL EDUCATION PROGRAM:  
 TEACHER'S HANDBOOK.  
 OS - MINGO NATIONAL WILDLIFE REFUGE, PUXICO, MO.  
 NO - 75P.; NOT AVAILABLE IN HARD COPY DUE TO EXTENSIVE USE OF COLORED  
 PAPER IN ORIGINAL DOCUMENT  
 IS - R1E77MAR  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 DT - G  
 IT - ACTIVITY LEARNING; ART; BIOLOGICAL SCIENCES  
 IT - CONSERVATION (ENVIRONMENT); CURRICULUM DEVELOPMENT; ECOLOGY  
 IT - ELEMENTARY SECONDARY EDUCATION; \*ENVIRONMENTAL EDUCATION  
 IT - \*INTERDISCIPLINARY APPROACH; LAND USE; LANGUAGE ARTS.  
 IT - \*LESSON PLANS; MAP SKILLS; MATHEMATICS; \*NATURE CENTERS  
 IT - \*OUTDOOR EDUCATION; RURAL ENVIRONMENT; SOCIAL STUDIES  
 IT - TEACHING GUIDES; TREES  
 ST - \*MINGO NATIONAL WILDLIFE REFUGE; MISSOURI (PUXICO)  
 AB - A WIDE DIVERSITY OF INTERESTING PLANT AND ANIMAL LIFE CAN BE  
 OBSERVED AND STUDIED AT MINGO NATIONAL WILDLIFE REFUGE, THE LAST  
 SIZEABLE EXAMPLE OF THE SWAMPLAND WHICH ONCE COVERED MILLIONS OF  
 ACRES IN THE AREA. MANY OF THE SPECIES HERE, SUCH AS THE SWAMP  
 RABBIT, ARE RARE ELSEWHERE IN THE STATE. THE REFUGE'S  
 ARCHAEOLOGICAL AND HISTORICAL RESOURCES ARE EQUALLY DIVERSE.  
 MINGO'S ORIGINAL PURPOSE WAS TO PROVIDE A RESTING AND WINTERING  
 AREA FOR WATERFOWL. TODAY EDUCATIONAL EXPERIENCES ARE ALSO  
 PROVIDED ON THE REFUGE. SCHOOL GROUPS ARE OFFERED TWO TYPES OF  
 ACTIVITIES--SELF-GUIDED TOURS AND PLANNED FIELD ACTIVITIES. FOR  
 THE TOURS, REFUGE PERSONNEL PROVIDE A SHORT ORIENTATION TALK TO  
 THE CLASS AND GO OVER THE ROUTE TO BE TAKEN WITH THE TEACHER. FOR  
 THE PLANNED FIELD ACTIVITIES, LESSON PLANS ARE PROVIDED. REFUGE  
 STAFF WILL SOMETIMES BE ABLE TO ASSIST IN CONDUCTING THESE  
 ACTIVITIES. THIS HANDBOOK INCLUDES EXAMPLES OF THE LESSON PLANS.  
 TOPICS COVERED ARE: OBSERVATION AND PERCEPTION, HABITAT  
 INVESTIGATION (ENERGY CYCLE), BASIC MEASURING, RURAL LIFE AND THE  
 DEPRESSION, COMPASS USE, CONTOUR MAPPING, CREATIVE WRITING AND  
 NATURE, ART AND NATURE, CEMETERY STUDY, LAND USE STUDY (PIONEER  
 HOMESTEAD), AQUATIC BIOLOGY, TRANSECT STUDY, SOILS AND EROSION,  
 OBSERVING AND CLASSIFYING TREES, AND CREATIVE COMMUNICATION USING  
 NATURE AS A STIMULUS. (NQ)

AN - ED130817  
 CHAN - RC009534  
 TI - THE EFFECTS OF DIFFERENT LEADERSHIP STYLES ON SELECTED BEHAVIORAL AND INTERPERSONAL VARIABLES OF EMOTIONALLY DISTURBED ADOLESCENTS IN A CAMPING PROGRAM.  
 AU - MCPETERS, JANINE E.  
 PD - MAR 76  
 NO - 130P.; MS THESIS, PENNSYLVANIA STATE UNIVERSITY  
 IS - RIE77MAR  
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.  
 AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802  
 DT - T  
 IT - \*ADOLESCENTS; BEHAVIORAL SCIENCE RESEARCH; \*BEHAVIOR PROBLEMS  
 IT - \*CAMPING; COMPARATIVE ANALYSIS; CORRELATION  
 IT - \*EMOTIONALLY DISTURBED; GROUP BEHAVIOR; HYPOTHESIS TESTING  
 IT - \*LEADERSHIP STYLES; MASTERS THESES; \*OUTDOOR EDUCATION  
 ST - KARITAS COMMUNITY; \*MISSISSIPPI (CRYSTAL SPRINGS)  
 AB - TESTING THE HYPOTHESIS THAT GROUP-CENTERED LEADERSHIP LEADS TO LESS PROBLEM BEHAVIOR AMONG EMOTIONALLY DISTURBED ADOLESCENTS, 20 MALE AND FEMALE ADOLESCENTS AGED 14-18 (FROM KARITAS COMMUNITY IN CRYSTAL SPRINGS, MISSISSIPPI) WERE DIVIDED INTO LEADER-CENTERED AND GROUP-CENTERED GROUPS AND EXPOSED TO 3 WEEKEND CAMPING EXPERIENCES. ASSESSMENTS WERE MADE VIA BOVARD SCALE OF INTERPERSONAL AFFECT (LEVEL OF INTERPERSONAL LIKING FOR OTHER GROUP MEMBERS); WAGMAN GROUP AS A WHOLE SCALE (INDIVIDUAL'S DEGREE OF LIKE OR DISLIKE FOR THE GROUP AS A WHOLE); AND DEVEREUX ADOLESCENT BEHAVIOR RATING SCALE (AMOUNT AND TYPE OF PROBLEM BEHAVIOR DISPLAYED BY PARTICIPANTS). STATISTICAL ANALYSIS INVOLVED THE KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE; MANN-WHITNEY U TEST; AND SPEARMANN RANK ORDER CORRELATION COEFFICIENT. RESULTS INDICATED: PARTICIPATION IN A CAMPING PROGRAM WITH EITHER GROUP- OR LEADER-CENTERED LEADERSHIP DID NOT IMPROVE EMOTIONALLY DISTURBED ADOLESCENTS' LEVEL OF INTERPERSONAL AFFECT FOR OTHER GROUP MEMBERS; GROUP-CENTERED LEADERSHIP LED TO GREATER INCREASE IN LIKING FOR THE GROUP AS A WHOLE THAN DID LEADER-CENTERED LEADERSHIP; THE HYPOTHESIS WAS NOT UNCONDITIONALLY SUPPORTED, ALTHOUGH THE ONLY POSITIVE BEHAVIOR CHANGES THAT OCCURRED AND THE ONE POSITIVE BEHAVIOR CHANGE THAT CONTINUED PAST THE FIRST CAMPING TRIP OCCURRED IN THE GROUP-CENTERED LEADERSHIP GROUP. (JC)

AN - ED130820  
 CIAN - SEC19454  
 TI - OUT TO LEARN. GUIDELINES AND STANDARDS MANUAL FOR OUTDOOR ENVIRONMENTAL EDUCATION.  
 OS - SASKATCHEWAN DEPT. OF EDUCATION, REGINA.  
 PD - OCT 74  
 NO - 60P.  
 \$S - R1827MAR  
 PR - EDP PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE..  
 DT - G  
 IT - CAMPING; \*ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; \*GUIDELINES; \*OUTDOOR EDUCATION  
 IT - PROGRAM DEVELOPMENT; RESOURCE MATERIALS; \*TEACHING GUIDES  
 ST - \*SASKATCHEWAN  
 AB - THIS STANDARDS AND GUIDELINES MANUAL, DEVELOPED BY THE SASKATCHEWAN DEPARTMENT OF EDUCATION FOR USE IN THE SASKATCHEWAN SCHOOLS, IS DESIGNED TO HELP TEACHERS AND SCHOOL DISTRICTS DEVELOP A SAFE AND WELL-ORGANIZED OUTDOOR ENVIRONMENTAL EDUCATION PROGRAM. THE TOPICS COVERED INCLUDE: OUTDOOR ENVIRONMENTAL EDUCATION IMPLICATIONS FOR STUDENTS, TEACHER, SCHOOL BOARD AND COMMUNITY; ENVIRONMENTAL PROTECTION; GUIDELINES FOR PROGRAM PLANNING; HEALTH AND SAFETY; AND LEGAL IMPLICATIONS. SEVEN APPENDICES PROVIDE INFORMATION ON THE FOLLOWING: STUDENT-TEACHER RESOURCE MATERIAL; SASKATCHEWAN REGULATIONS; CHECKLISTS; SAMPLE FORMS AND FORMATS; MENUS AND FOOD SUPPLY LISTS; FIRST AID AND ACCIDENT PROCEDURES; AND GENERAL INFORMATION. A BIBLIOGRAPHY IS INCLUDED. (BT)

AN - ED131533  
 CHAN- EAC02849  
 TI - MANAGEMENT AND COORDINATION OF A RESIDENTIAL OUTDOOR EDUCATION PROGRAM. (A NEW MODEL FOR THE ROLE OF ELEMENTARY PRINCIPALS.)  
 AU - ZAVARELLA, JOSEPH  
 PD - 15 FEB 76  
 NO - 61P.; MAXI II PRACTICUM REPORT SUBMITTED IN PARTIAL FULFILLMENT OF REQUIREMENTS FOR DOCTOR OF EDUCATION DEGREE, NOVA UNIVERSITY  
 IS - R1E77APP  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 DT - K  
 IT - \*ADMINISTRATIVE ORGANIZATION; \*ADMINISTRATOR ROLE  
 IT - ARTICULATION (PROGRAM); CURRICULUM; EDUCATIONAL FINANCE  
 IT - ELEMENTARY EDUCATION; \*MODELS; \*OUTDOOR EDUCATION; \*PRINCIPALS  
 IT - PROGRAM DESCRIPTIONS; QUESTIONNAIRES; SCHOOL SYSTEMS  
 AB - THE RESIDENTIAL OUTDOOR EDUCATION PROJECT DESCRIBED IN THIS REPORT SERVES AS THE VEHICLE FOR ADVANCEMENT OF A NEW CONCEPT IN THE ADMINISTRATIVE ORGANIZATION OF A SCHOOL DISTRICT. IT IS PROPOSED THAT THE ELEMENTARY ADMINISTRATOR'S ROLE BE EXPANDED TO A DISTRICTWIDE ORIENTATION IN THE AREA OF CURRICULUM MANAGEMENT AND COORDINATION. THAT IS, EACH PRINCIPAL ASSUMES A SPECIFIC CURRICULAR RESPONSIBILITY AND COORDINATES EFFORTS ON A DISTRICTWIDE BASIS. (AUTHOR)



AN - ED131568  
 CHAV - RC009527  
 TI - COMPARATIVE STUDY OF ATTITUDES TOWARD THE MEANING OF THE TERM  
 "OUTDOOR EDUCATION" AS VIEWED BY SELECTED MEMBERS OF THE AMERICAN  
 ASSOCIATION OF HEALTH, PHYSICAL EDUCATION AND RECREATION'S  
 COUNCIL ON OUTDOOR EDUCATION AND CAMPING IN 1968 AND 1975.  
 AU - BACKIEL, MARCIA LEE  
 PD - JUN 76  
 NO - 53P.; FOR RELATED DOCUMENT, SEE ED 050 877.  
 IS - RIE 77 APR  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 DT - T  
 IT - \*ATTITUDES; \*CHANGE AGENTS; CHANGING ATTITUDES  
 IT - \*COMPARATIVE ANALYSIS; \*DEFINITIONS; FACULTY; \*FOLLOWUP STUDIES  
 IT - GRADUATE STUDENTS; LITERATURE REVIEWS; ORGANIZATIONS (GROUPS)  
 IT - \*OUTDOOR EDUCATION; PROFESSIONAL ASSOCIATIONS; QUESTIONNAIRES  
 IT - VOCABULARY  
 AB - IN 1968, 107 MEMBERS OF THE AAHPER COUNCIL ON OUTDOOR EDUCATION  
 AND CAMPING WERE SURVEYED TO DETERMINE THEIR ATTITUDES TOWARD THE  
 MEANING OF THE TERM "OUTDOOR EDUCATION". USING THE SAME RATING  
 SHEET, THIS SURVEY DETERMINED THE COUNCIL MEMBERS' PRESENT  
 ATTITUDES. AN INFLUENCE QUESTIONNAIRE WAS ALSO DESIGNED TO  
 INVESTIGATE THE INFLUENCE OF PEOPLE, PLACES AND EVENTS ON THE  
 1975 ATTITUDES. A RATING SHEET AND AN INFLUENCE QUESTIONNAIRE  
 WERE MAILED TO 100 OF THE 107 MEMBERS; 71 WERE RETURNED. THE RAW  
 DATA OF THE RATING SHEET WAS SUBMITTED TO TWO FACTOR ANALYTIC  
 PROGRAMS. TWENTY-FIVE SIGNIFICANT FACTORS WHICH WERE  
 STATISTICALLY INSIGNIFICANT WERE IDENTIFIED. SINCE THE 1968  
 POPULATION HAD ONLY THREE FACTORS, IT WAS CONCLUDED THAT THERE  
 SEEMED TO HAVE BEEN AN INFLUENCE EXERTED UPON THE POPULATION  
 CAUSING THE ATTITUDES TO CHANGE SIGNIFICANTLY ENOUGH SO AS TO  
 NEGATE THE VALIDITY OF THE RATING SHEET. KENDALL'S COEFFICIENT OF  
 CONCURRENCE WAS USED ON THE RAW DATA FROM THE INFLUENCE  
 QUESTIONNAIRE. IT WAS FOUND THAT THE RESPONDENTS DID NOT  
 SIGNIFICANTLY AGREE ON INFLUENCES UPON THEIR ATTITUDES. BASED ON  
 SEX, FACULTY STATUS AND COUNCIL MEMBERSHIP, THE RESPONDENTS WERE  
 DIVIDED INTO THREE SETS OF MUTUALLY EXCLUSIVE SUBGROUPS. NONE OF  
 THE SIX COEFFICIENTS WERE STATISTICALLY SIGNIFICANT INDICATING  
 THAT THE INFLUENCES UPON THE ATTITUDES WERE VERY DIVERSIFIED.  
 RESULTS OF BOTH INSTRUMENTS SUPPORTED EACH OTHER. FROM THE DATA,  
 IT WAS NOT POSSIBLE TO DISTINGUISH WHAT THE POPULATION DISCERNED  
 AS THE MEANING OF "OUTDOOR EDUCATION". (AUTHOR/NQ)

AN - ED1319E2  
 CHAY - RC009563  
 TI - CHANGE IN LEADERSHIP BEHAVIOR ATTITUDES EFFECTED BY PARTICIPATION  
 IN BASIC COURSES AT THE NATIONAL OUTDOOR LEADERSHIP SCHOOL.  
 AU - BAKER, EDWARD CRAPER, JR.  
 PD - MAY 75  
 NO - 67P.; M.S. THESIS, PENNSYLVANIA STATE UNIVERSITY  
 IS - RIE77APR  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY  
 PARK, PENNSYLVANIA 16802  
 DT - T  
 IT - ACADEMIC ACHIEVEMENT; AGE DIFFERENCES; \*ATTITUDES; BEHAVIOR  
 IT - \*HYPOTHESIS TESTING; \*LEADERSHIP; MASTERS THESES  
 IT - \*OUTDOOR EDUCATION; POST TESTING; PRETESTING  
 IT - STUDENT CHARACTERISTICS; STUDENT EXPERIENCE  
 IT - \*STUDENT PARTICIPATION  
 ST - LEADERSHIP OPINION QUESTIONNAIRE  
 ST - \*NATIONAL OUTDOOR LEADERSHIP SCHOOL  
 AB - HYPOTHESIZING THAT POSITIVE CHANGE IN STUDENTS' ATTITUDES  
 CONCERNING LEADERSHIP BEHAVIOR WOULD RESULT FROM PARTICIPATION IN  
 A BASIC LEVEL FIVE-WEEK COURSE AT THE NATIONAL OUTDOOR LEADERSHIP  
 SCHOOL (NOLS), 80 STUDENT PARTICIPANTS (16 YEARS OR OLDER) WERE  
 PRE- AND POST-TESTED FOR ATTITUDINAL CHANGE. USING THE LEADERSHIP  
 OPINION QUESTIONNAIRE (LOQ), THE SUBJECTS WERE TESTED ON THE  
 FIRST DAY OF THE COURSE AND AGAIN FIVE WEEKS LATER AT ITS  
 CONCLUSION. TO ESTABLISH A BASELINE CRITERION WITH WHICH  
 COMPARISONS COULD BE MADE, THE LEADERSHIP INSTRUMENT WAS ALSO  
 ADMINISTERED TO THE NOLS DIRECTOR, GENERAL MANAGER, AND ASSISTANT  
 GENERAL MANAGER, AND A NOLS STAFF MODEL WAS ESTABLISHED WHICH  
 PROVIDED A LEADERSHIP NORM OF HIGH IN CONSIDERATION AND AVERAGE  
 IN STRUCTURE. SUBJECTS WERE CLASSIFIED BY COURSE, TYPE OF  
 EXPEDITION (WILDERNESS, MOUNTAINEERING, OR BIOLOGY), AGE GROUP,  
 EDUCATION LEVEL, PREVIOUS CAMP EXPERIENCE, AND AGE. DATA WERE  
 ANALYZED ACCORDING TO THESE CHARACTERISTICS BY APPLYING A T-TEST  
 FOR PAIRED SAMPLES, USING PRE- AND POST-COURSE SCORES. RESULTS  
 INDICATED THERE WAS: NO POSITIVE CHANGE IN THE STUDENTS'  
 ATTITUDES TOWARD LEADERSHIP BEHAVIOR; A DECREASE IN CONSIDERATION  
 SCORES AMONG THOSE WHO HAD GRADUATED FROM COLLEGE, HAD HAD  
 PREVIOUS CAMP EXPERIENCES, AND HAD PARTICIPATED IN THE WILDERNESS  
 EXPEDITION. IT WAS SUGGESTED THAT THE RESULTS MIGHT HAVE BEEN  
 DIFFERENT HAD THE SUBJECTS BEEN TESTED AT A LATER DATE. (JC)

AN - ED131983  
 CHAN - RC009564  
 TI - A COMPARISON OF CHILDREN'S LEARNING UNDER DIFFERENT PROGRAM STRUCTURES IN A RESIDENT OUTDOOR SCHOOL.  
 AU - CONRAD, MICHELLE  
 PD - MAY 75  
 MD - 120P.; M.S. THESIS, PENNSYLVANIA STATE UNIVERSITY  
 IS - R1E77APR  
 PR - EDRS PRICE MF-\$0.83 HC-\$6.01 PLUS POSTAGE.  
 AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802  
 DT - T  
 IT - \*COMPARATIVE ANALYSIS; CONTROL GROUPS; \*DECISION MAKING  
 IT - \*EDUCATIONAL OBJECTIVES; \*ELEMENTARY SCHOOL STUDENTS  
 IT - EXPERIMENTAL GROUPS; GRADE 5; \*LEARNING ACTIVITIES  
 IT - MASTERS THESES; \*OUTDOOR EDUCATION; POST TESTING; PRETESTING  
 IT - RESIDENTIAL SCHOOLS  
 ST - \*STONE VALLEY OUTDOOR SCHOOL, PA.  
 AB - HYPOTHESIZING THAT STUDENTS WHO WERE GIVEN THE OPPORTUNITY TO CHOOSE THEIR LEARNING ACTIVITIES IN A RESIDENTIAL OUTDOOR EDUCATION SCHOOL (STONE VALLEY, PENNSYLVANIA) WOULD MORE READILY ATTAIN THE BEHAVIORAL OBJECTIVES OF THOSE ACTIVITIES, 68 FIFTH GRADE STUDENTS PARTICIPATING IN A FOUR-DAY RESIDENTIAL OUTDOOR EDUCATION PROGRAM WERE DIVIDED INTO A CONTROL (N=32) AND AN EXPERIMENTAL (N=36) GROUP. PLANNED BY CLASSROOM TEACHERS, THE OUTDOOR SCHOOL DIRECTOR, AND THE INVESTIGATOR, THE SAME OBJECTIVES AND LEARNING ACTIVITIES (WATER ECOLOGY, FOREST PLANTS, A GRAVEYARD TRIP, AND SURVIVAL SIMULATION) WERE SCHEDULED IN SUCH A WAY THAT THE CONTROL GROUP HAD ONLY ONE CHOICE OF ACTIVITY, WHILE THE EXPERIMENTAL GROUP WAS OFFERED FOUR DIFFERENT ACTIVITY CHOICES DURING EACH OF THE TWO, TWO-HOUR DAILY ACTIVITY PERIODS. A WRITTEN, OBJECTIVE TEST CONSISTING OF 10 QUESTIONS BASED UPON THE ACTIVITY OBJECTIVES WAS ADMINISTERED TO THE SUBJECTS IN THEIR CLASSROOMS DURING THE WEEK BEFORE AND AFTER THE OUTDOOR SCHOOL EXPERIENCE. COMPARISONS WERE MADE BETWEEN: THE ENTIRE CONTROL GROUP AND THE ENTIRE EXPERIMENTAL GROUP; THE ENTIRE CONTROL GROUP AND MEMBERS OF THE EXPERIMENTAL GROUP PARTICIPATING IN THE ACTIVITY FOR WHICH OBJECTIVES WERE TESTED; AND PRE- AND POST TEST SCORES WITHIN EACH GROUP. RESULTS INDICATED NO SIGNIFICANT DIFFERENCES BETWEEN THE CONTROL AND EXPERIMENTAL GROUPS, ALTHOUGH BOTH GROUPS DEMONSTRATED SIGNIFICANT LEARNING. (JC)





AN - ED132239  
 CHAN - CE007517  
 TI - EDUCATIONAL PRINCIPLES AND TECHNIQUES FOR INTERPRETERS. USCA  
 FOREST SERVICE GENERAL TECHNICAL REPORT PNW-9.  
 AU - BOUTLANGER, F. DAVID; SMITH, JOHN P.  
 OS - FOREST SERVICE (DOA), PORTLAND, OREG. PACIFIC NORTHWEST FOREST  
 AND RANGE EXPERIMENT STATION.  
 PD - 73  
 NC - 31P.  
 IS - RIE77MAY  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 DT - G  
 IT - CONSERVATION EDUCATION; DISCUSSION (TEACHING TECHNIQUE)  
 IT - DISCUSSION PROGRAMS; \*ENVIRONMENTAL EDUCATION; NATURAL RESOURCES  
 IT - \*OUTDOOR EDUCATION; \*PUBLIC SPEAKING; QUESTIONING TECHNIQUES  
 IT - \*SPEECH SKILLS; TEACHING GUIDES; \*TEACHING TECHNIQUES  
 IT - TRAINING TECHNIQUES  
 AB - THIS GUIDE, DESIGNED FOR USE BY EDUCATORS AND INTERPRETERS,  
 OUTLINES PRINCIPLES AND TECHNIQUES FOR EFFECTIVE TALKS AND  
 DISCUSSIONS. FOUR MAJOR READINGS ARE INCLUDED. THE FIRST,  
 INTRODUCTION, DESCRIBES THE MAJOR PREMISES OF THE GUIDE, MAINLY  
 (1) TEACHING IS AN ART AS WELL AS A SKILL; (2) TEACHING INVOLVES  
 A RELATIONSHIP BETWEEN TEACHER AND LEARNER THAT GOES FAR BEYOND  
 THE TRANSFER OF KNOWLEDGE; (3) ACTIVE INVOLVEMENT OF THE LEARNER  
 IS CENTRAL TO GOOD TEACHING; AND (4) YOUR AUDIENCE MAY BE FREE TO  
 LEAVE PHYSICALLY OR MENTALLY. SETTING THE DIRECTION, THE SECOND  
 SECTION, FOCUSES ON CHOOSING OBJECTIVES, AUDIENCE  
 CHARACTERISTICS, AND DECIDING WHAT TO PRESENT AND WHY. THE THIRD  
 SECTION, REACHING YOUR AUDIENCE, LOOKS AT THE CHARACTERISTICS OF  
 TALKS AND DISCUSSIONS AND LISTS SPECIFIC POINTS ON PREPARING  
 BOTH. TECHNIQUES USEFUL FOR INTERPRETATION ARE SUMMARIZED IN  
 SECTION FOUR. TOPICS DEALT WITH INCLUDE SELECTING AND ORGANIZING  
 THE PRESENTATION, MOTIVATING AND FOCUSING THE AUDIENCE, GETTING  
 FEEDBACK, QUESTIONING TECHNIQUES, ATTENTION HOLDING TECHNIQUES,  
 AND OTHERS. A CHECKLIST AND BIBLIOGRAPHY ARE ALSO INCLUDED. THE  
 GUIDE IS WRITTEN IN AN INFORMAL STYLE, WITH IMPORTANT WORDS AND  
 PHRASES IN BOLD FACE TYPE, AND INCLUDES MANY ILLUSTRATIONS. (TM)

AN - E01330E5  
 CHAN - PS009038  
 TI - SUMMER CAMP.  
 AU - BURNS, MAXINE; AND OTHERS  
 DS - GEORGE WASHINGTON UNIV., WASHINGTON, D.C. INST. FOR EDUCATIONAL LEADERSHIP.; NATIONAL PUBLIC RADIO, WASHINGTON, D.C.  
 PD - JUL 76  
 NO - 26P.; TRANSCRIPT OF "OPTIONS IN EDUCATION" RADIO PROGRAM NO. 39 SCHEDULED FOR BROADCAST FOR THE WEEK OF JULY 26, 1976  
 IS - RIETTMAY  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 SPO - CARNEGIE CORP. OF NEW YORK, N.Y.  
 SPO - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.  
 SPO - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.  
 DT - S  
 IT - CAMPING; \*DAY CAMP PROGRAMS; \*EDUCATIONAL RADIO  
 IT - \*FEDERAL LEGISLATION; GOVERNMENT ROLE; OUTDOOR EDUCATION  
 IT - RECREATIONAL ACTIVITIES; \*RESIDENT CAMP PROGRAMS; \*SAFETY  
 IT - \*S T E STANDARDS; SUMMER PROGRAMS; VACATION PROGRAMS  
 IT - YOUTH PROGRAMS  
 ST - AMERICAN CAMPING ASSOCIATION; CHILDREN AND YOUTH CAMP SAFETY ACT  
 ST - \*NATIONAL PUBLIC RADIO  
 AB - GOVERNMENT REGULATION OF CHILDREN'S SUMMER CAMPS, PARTICULARLY INVOLVING HEALTH AND SAFETY STANDARDS, IS DISCUSSED IN A SERIES OF BRIEF INTERVIEWS WITH CAMP DIRECTORS AND REPRESENTATIVES OF CAMP ASSOCIATIONS. TRANSCRIBED FROM THE NATIONAL PUBLIC RADIO WEEKLY BROADCAST, "OPTIONS IN EDUCATION," THE PROGRAM INCLUDES A LENGTHY MONTAGE OF CHILDREN'S VOICES, GIVING EXPRESSIONS OF CAMP EXPERIENCES. INTERVIEWS FOCUS MAINLY ON SUMMER CAMP SAFETY LEGISLATION. AN OFFICIAL OF THE AMERICAN CAMPING ASSOCIATION (ACA) DISCUSSES HOW PARENTS SHOULD CHOOSE A CHILD'S CAMP, EMPHASIZING THE NEED FOR SAFETY STANDARDS. INSTANCES OF FRAUD AND MISREPRESENTATION IN CAMP ADVERTISING ARE DESCRIBED BY A DAY CAMP DIRECTOR. COMPREHENSIVE LAWS DEALING WITH YOUTH CAMP SAFETY EXIST IN ONLY SEVEN STATES, AND NEARLY ONE-HALF OF THE STATES HAVE NO REGULATIONS CONCERNING PERSONAL HEALTH AND MEDICAL SERVICES. ALTHOUGH THE ACA PROVIDES STRICT STANDARDS, ONLY HALF THE CAMPS IN THE UNITED STATES ARE ACA-ACCREDITED. LEGISLATION TO CREATE A NATIONAL CAMP SAFETY STANDARD WAS INTRODUCED INTO CONGRESS TEN YEARS AGO, BUT HAS NOT BEEN ENACTED. A COALITION FORMED TO PROMOTE CAMP SAFETY LEGISLATION, CONSISTING LARGELY OF AGENCY CAMPS SUCH AS BOY AND GIRL SCOUTS AND THE YMCA, IS DESCRIBED. ARGUMENTS CRITICAL OF FEDERAL REGULATION, PRESENTED BY CAMP DIRECTORS, CITE OVER-REGULATION AND IMPOSITION OF INAPPROPRIATE OR UNNECESSARY STANDARDS. A SUMMER CAMP FOR RETARDED CHILDREN AND A COMBINATION REMEDIAL SCHOOL AND DAY CAMP ARE ALSO DESCRIBED BRIEFLY. (BF)

AN - ED133140  
 CHAN- SEC2(874)  
 TI - OUTDOOR EDUCATION - A GUIDE TO SITE PLANNING AND IMPLEMENTATION  
 OF PROGRAMS.  
 DS - TEXAS EDUCATION AGENCY, AUSTIN. DIV. OF CURRICULUM DEVELOPMENT.  
 PD - 76  
 NC - 72P.  
 IS - R1E77MAY  
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
 AV - TEXAS EDUCATION AGENCY, DIVISION OF CURRICULUM DEVELOPMENT, 201  
 EAST ELEVENTH STREET, AUSTIN, TEXAS 78701 (\$2.00)  
 DT - G  
 IT - \*ELEMENTARY SECONDARY EDUCATION; \*ENVIRONMENTAL EDUCATION  
 IT - \*FACILITIES; INSTRUCTION; \*OBJECTIVES; \*OUTDOOR EDUCATION  
 IT - \*PROGRAM DEVELOPMENT  
 AB - THIS BOOKLET PRESENTS GUIDELINES FOR INITIATING OUTDOOR  
 INSTRUCTIONAL PROGRAMS. INITIALLY, THE GUIDE LISTS THE OBJECTIVES  
 OF OUTDOOR EDUCATION: SURVIVAL, RECREATION, DEVELOPMENT OF  
 PERSONAL HEALTH AND WELL-BEING, CAREER OPPORTUNITIES, AND SOCIAL  
 ADJUSTMENT. A DISCUSSION FOLLOWS ON THE THREE PHASES OF SITE  
 PLANNING. THE FIRST PHASE IS SITE ANALYSIS WHICH INVOLVES  
 RESEARCH IN TOPOGRAPHY, ECOLOGY AND LAND USES AND CONTROL. THE  
 SECOND PHASE ENCOMPASSES PROGRAM DEVELOPMENT WHICH INCLUDES THE  
 STATEMENT OF PURPOSE AND OBJECTIVES, THE ROLE OF THE SCHOOL SITE,  
 AND ANALYSIS OF THESE ROLES FOR PROGRAM DEVELOPMENT. THE FINAL  
 PHASE CONCERNS SITE DESIGN OR A GRAPHIC REPRESENTATION COMBINING  
 SITE ANALYSIS AND PROGRAM DEVELOPMENT. THE BOOKLET ALSO CONTAINS  
 EXAMPLES OF SCHOOL SITES, A CHECKLIST FOR DEVELOPING A PROGRAM,  
 GUIDELINES FOR PLANNING ACTIVITIES IN ALL CURRICULAR AREAS,  
 SUGGESTED LEARNING EXPERIENCES IN EACH DISCIPLINE, AND RESOURCE  
 AND REFERENCE LISTS. (MR)

AN - ED133141  
CHAN - SE021155  
TI - FOREST INTERPRETER'S PRIMER ON WILDLIFE. A REFERENCE FOR FOREST SERVICE, USDA FOREST INTERPRETERS.  
AU - SMITH, GAIL P.  
OS - FOREST SERVICE (DOA), WASHINGTON, D.C.  
PD - JUN 75  
NO - 61P.; PHOTOGRAPHS MAY NOT REPRODUCE WELL  
IS - R1E77MAY  
PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE.  
DT -  
IT - BIOLOGY; \*CONSERVATION EDUCATION; \*HIGHER EDUCATION  
IT - \*INSTRUCTIONAL MATERIALS; \*NATURAL RESOURCES; OUTDOOR EDUCATION  
IT - \*SECONDARY EDUCATION; \*WILDLIFE MANAGEMENT; \*ZOOLOGY  
AB - THIS GUIDE WAS PREPARED FOR THE USE OF FOREST SERVICE FIELD-BASED INTERPRETERS OF THE MANAGEMENT, PROTECTION, AND USE OF FOREST AND RANGE RESOURCES AND THE ASSOCIATED HUMAN, CULTURAL, AND NATURAL HISTORY FOUND ON THESE LANDS. IT CONSISTS OF BASIC FOREST AND RANGE WILDLIFE INFORMATION. SECTIONS IN THE PUBLICATION INCLUDE: (1) WHAT IS WILDLIFE; (2) BASIC NEEDS OF WILDLIFE; (3) PROPERTIES OF FISH AND WILDLIFE POPULATIONS; (4) USES OF WILDLIFE; (5) WILDLIFE MANAGEMENT - A BRIEF REVIEW; AND (6) WHAT OF THE FUTURE? (RH)

AN - ED133232  
 CHAN- SE021908  
 TI - WASHINGTON ENVIRONMENTAL YARD: AN ENVIRONMENTAL EDUCATION TOOL  
 DESCRIPTION AND ASSESSMENT. FINAL REPORT.  
 AU. - YOUNG, DONALD G., COMP.; AND OTHERS  
 OS - BERKELEY UNIFIED SCHOOL DISTRICT, CALIF.  
 PD - DEC 76  
 NO - 332P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF  
 ORIGINAL DOCUMENT  
 IS - RIE77MAY  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 SPO - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. OFFICE OF  
 ENVIRONMENTAL EDUCATION.  
 CG - G00-75-00911  
 DT - K  
 IT - CURRICULUM DEVELOPMENT; \*ELEMENTARY EDUCATION; \*ENVIRONMENT  
 IT - \*ENVIRONMENTAL EDUCATION; \*FACILITIES; \*INSTRUCTION  
 IT - INTERDISCIPLINARY APPROACH; OUTDOOR EDUCATION  
 AB - THE PROJECT DESCRIBED IN THIS PUBLICATION TOOK PLACE DURING THE  
 1974-75 SCHOOL YEAR IN AN ELEMENTARY SCHOOL (K-4) IN BERKELEY,  
 CALIFORNIA. THE PURPOSE OF THE PROJECT WAS TO INTEGRATE THE  
 SCHOOL YARD INTO THE DAILY CLASSROOM ACTIVITIES OF THE CHILDREN  
 AND THE STAFF. INCLUDED IN THE PUBLICATION ARE: (1) A DESCRIPTION  
 OF THE ENVIRONMENTAL YARD, (2) THE TEACHING AND LEARNING  
 ACTIVITIES USED, (3) THE RESEARCH COMPONENT OF THE PROJECT, (4)  
 METHODS USED TO DEVELOP THE PROJECT, AND (5) APPENDICES OF A  
 NUMBER OF ITEMS INCLUDING QUESTIONNAIRES, ACTIVITY CARDS, MAPS,  
 AND BRAINSTORMING SESSIONS. THE PROJECT STAFF FELT THE REAL  
 SUCCESS OF THE PROJECT WAS IN CLARIFYING HOW TO DO WHAT THEY WERE  
 TRYING TO DO, METHODS THAT NEED TO BE EMPLOYED, AND HOW TO PLAN  
 TO ORCHESTRATE THE PROGRAM. RECOMMENDATIONS FOR FUTURE PROGRAM  
 DEVELOPMENT ARE PRESENTED. (RH)

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.  
 PD - AUG 76  
 NO - 15P. FOR RELATED DOCUMENTS, SEE ED 125 838 AND RC 009 632  
 IS - #IE77JUN  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 DT - G  
 IT - \*ACTIVITIES; CONCEPT FORMATION; CURRICULUM GUIDES  
 IT - EDUCATIONAL OBJECTIVES; \*ELEMENTARY EDUCATION  
 IT - ENVIRONMENTAL EDUCATION; GRADE 4; GRADE 5; GRADE 6; \*LESSON PLANS  
 IT - \*OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; RURAL AREAS  
 IT - \*RURAL SCHOOLS; \*SENSORY EXPERIENCE  
 ST - NEW HAMPSHIRE; \*PROXIMITY  
 AB - DESCRIBING THE UNION 58 EXPERIMENTAL SCHOOLS PROGRAM (ESP) IN  
 NORTHERN, RURAL NEW HAMPSHIRE, THIS CURPICULUM GUIDE PRESENTS THE  
 CONCEPT OF "PROXIMITY CONGRUENCY" AS A MEANS FOR DEVELOPING  
 ELEMENTARY LEVEL (GRADES FOUR THROUGH SIX) STUDENT SENSORY  
 AWARENESS OF THE ENVIRONMENT IN OUTDOOR AND/OR ENVIRONMENTAL  
 EDUCATION PROCEDURES. PROXIMITY CONGRUENCY IS DEFINED AS A STATE  
 OF HARMONY EXISTANT BETWEEN TWO OR MORE ANIMATE AND/OR INANIMATE  
 OBJECTS WHEREIN THERE IS A NATURAL STATE OF INTERACTION. SOME OF  
 THE OUTDOOR EDUCATION STRATEGIES FOR ACHIEVING PROXIMITY  
 CONGRUENCY MENTIONED ARE FIELD TRIPS, NATURE WALKS, AND SITE  
 STUDIES. ADDITIONALLY, THIS GUIDE PRESENTS EIGHT SAMPLE  
 ENVIRONMENTAL EDUCATION SENSORY LESSONS IN A FORMAT THAT INCLUDES  
 THE FOLLOWING: EDUCATIONAL FOCUS (EARTH'S RESOURCES, PLANTS AND  
 ANIMALS, RECREATION, METRIC MEASURE, AND/OR MEASUREMENT); THE  
 CONCEPT TO BE EXPLORED; GRADE RANGE; PURPOSE; AND NUMEROUS  
 EXEMPLARY STUDENT ACTIVITIES. (JC)

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.  
 PD - SEP 76  
 NO - 12P.; FOR RELATED DOCUMENTS, SEE ED 125 838 AND RC 009 631  
 IS - RI E77JUN  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 DT - G  
 IT - \*ACTIVITIES: CONCEPT FORMATION; CURRICULUM GUIDES  
 IT - EDUCATIONAL OBJECTIVES; ENVIRONMENTAL EDUCATION: \*LESSON PLANS  
 IT - \*OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; RURAL AREAS  
 IT - \*RURAL SCHOOLS; \*SECONDARY EDUCATION; \*SENSORY EXPERIENCE  
 ST - \*NEW HAMPSHIRE; \*PROXIMITY  
 AB - DESCRIBING THE UNION 58 EXPERIMENTAL SCHOOLS PROGRAM (ESP) IN  
 NORTHERN, RURAL NEW HAMPSHIRE, THIS CURRICULUM GUIDE PRESENTS THE  
 CONCEPT OF "PROXIMITY CONGRUENCY" AS A MEANS FOR DEVELOPING  
 SECONDARY LEVEL STUDENT SENSORY AWARENESS OF THE ENVIRONMENT IN  
 OUTDOOR AND/OR ENVIRONMENTAL EDUCATION PROCEDURES. PROXIMITY  
 CONGRUENCY IS DEFINED AS A STATE OF HAPMONY EXISTANT BETWEEN TWO  
 OR MORE ANIMATE AND/OR INANIMATE OBJECTS WHEREIN THERE IS A  
 NATURAL STATE OF INTERACTION. FIELD TRIPS, NATURE WALKS, AND SITE  
 STUDIES ARE AMONG THE OUTDOOR EDUCATION STRATEGIES MENTIONED IN  
 TERMS OF ACHIEVING PROXIMITY CONGRUENCY. ADDITIONALLY, THIS GUIDE  
 PRESENTS FOUR SAMPLE ENVIRONMENTAL EDUCATION SENSORY LESSONS IN A  
 FORMAT THAT INCLUDES THE FOLLOWING: EDUCATIONAL FOCUS (LAND USE  
 STUDY, TREES, AND SEASHORE ENVIRONMENT); THE CONCEPT TO BE  
 EXPLORED; GRADE RANGE; PURPOSE; AND NUMEROUS EXEMPLARY STUDENT  
 ACTIVITIES. WHEN NECESSARY, THE LESSON ALSO INCLUDES SPECIFIC  
 EQUIPMENT AND PROCEDURAL NEEDS. (JC)

AN - E0134384  
 CHAN - RC005657  
 TI - INCORPORATING ORIENTEERING IN SCHOOL PROGRAMS.  
 AU - BRADFCRD, DOUGLAS  
 DS - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON  
 RURAL EDUCATION AND SMALL SCHOOLS.  
 PD - MAR 77  
 RC - 36P.  
 IS - R1E77JUN  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT  
 BOULEVARD, AUSTIN, TEXAS 78702 (STOCK NO. EC-046, \$3.00)  
 SPO - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.  
 CG - 400-75-0025  
 DT - G  
 IT - \*ACTIVITY LEARNING; COURSE ORGANIZATION; DEFINITIONS; DISTANCE  
 IT - EDUCATIONAL EQUIPMENT; ELEMENTARY EDUCATION  
 IT - \*INTERDISCIPLINARY APPROACH; \*MAP SKILLS; \*OUTDOOR EDUCATION  
 IT - \*PHYSICAL ACTIVITIES; PROGRAM COSTS; PROGRAM GLIDES; \*RUNNING  
 IT - SKILL DEVELOPMENT; TIME  
 ST - \*ORIENTEERING  
 AB - ORIENTEERING HAS BEEN DESCRIBED AS BEING "EITHER A SERIOUS SPORT,  
 OR A RELAXING RECREATION". ORIENTEERING CAN BE A FAMILY AFFAIR OR  
 AN INDIVIDUAL FIGHT AGAINST THE CLOCK. IN ITS SIMPLEST FORM,  
 ORIENTEERING CAN BE DESCRIBED AS A CROSS-COUNTRY RUN, JOG, OR  
 WALK ON A PREDETERMINED COURSE, USING A MAP AND A COMPASS TO FIND  
 SEVERAL CONTROL POINTS ON THE WAY. ORIENTEERING REALIZES AN IDEAL  
 BALANCE BETWEEN THE INTELLECTUAL AND THE PHYSICAL. IT REQUIRES AN  
 INTEGRATION OF PHYSICAL SKILLS AND CONDITIONING WITH INTELLECTUAL  
 EXPERTISE. SINCE THERE ARE MANY WAYS TO ANALYZE AND NAVIGATE LAND  
 SURFACES, ORIENTEERING INCORPORATES A HIGHLY INDIVIDUALIZED  
 COMBINATION OF ONE'S OWN ABILITIES AND JUDGMENT. THIS PAPER (1)  
 DEFINES "ORIENTEERING" FOR THE EDUCATOR; (2) ACQUAINTS THE  
 EDUCATOR, WHETHER SCHOOL ADMINISTRATOR OR TEACHER, WITH BASIC  
 ORIENTEERING SKILLS; (3) PRESENTS A RATIONALE FOR THE INCLUSION  
 OF ORIENTEERING IN THOSE AREAS OF THE SCHOOL CURRICULUM WHEREIN  
 IT CAN BE UTILIZED ADVANTAGEOUSLY; AND (4) ACQUAINTS THE EDUCATOR  
 WITH THE FACTORS THAT MUST BE CONSIDERED IN ESTABLISHING AN  
 ORIENTEERING PROGRAM. (AUTHOR/NC)



AN - ED1344C8  
 CHAN- SE021382  
 TT - NATURE TRAILS FOR THE VISUALLY IMPAIRED.  
 AU - SCHWARTZ, JONATHAN R.  
 OS - SYRACUSE UNIV., N.Y. ENVIRONMENTAL STUDIES INST.  
 PD - 76  
 NO - 47P.; CONTAINS OCCASIONAL LIGHT AND BROKEN TYPE.  
 IS - RTE77JUN  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 DT - K  
 IT - \*EDUCATIONAL FACILITIES; \*EDUCATIONAL RESEARCH; \*HANDICAPPED  
 LT - \*NATURE CENTERS; \*OUTDOOR EDUCATION; \*VISUALLY HANDICAPPED  
 ST - NATURE TRAILS  
 AB - MANY INTERPRETIVE NATURE TRAILS HAVE BEEN ESTABLISHED FOR THE VISUALLY IMPAIRED IN RECENT YEARS. THE OBJECTIVES OF THE INVESTIGATION WERE TO (A) IDENTIFY WHAT HAS BEEN DONE IN THE PAST IN THE WAY OF NATURE TRAIL DESIGN FOR THE VISUALLY IMPAIRED, (B) COMPARE THIS WITH WHAT PROFESSIONAL WORKERS FOR THE VISUALLY IMPAIRED CONSIDER IMPORTANT IN THE DESIGN OF THE FACILITIES, AND (C) TO PROVIDE GUIDELINES FOR THE DESIGN OF FUTURE TRAILS FOR THE VISUALLY IMPAIRED. IT WAS DETERMINED THAT THE "TYPICAL" NATURE CENTER WAS OVER FIVE MILES FROM THE NEAREST URBAN CENTER, NOT ON PUBLIC TRANSPORTATION LINES, AND PROVIDED A SINGLE SPECIAL TRAIL FOR THE VISUALLY IMPAIRED WITH GUIDE ROPES AND BRAILLE SIGNS. AS A RESULT OF THE LITERATURE SEARCH, THE INFORMAL INTERVIEWS WITH VISUALLY IMPAIRED STUDENTS, AND THE SURVEY OF ORIENTATION AND MOBILITY INSTRUCTORS, THE FOLLOWING SUGGESTIONS ARE MADE FOR THE DESIGN OF FUTURE NATURE TRAILS: (1) NO SPECIAL TRAILS SHOULD BE ESTABLISHED, AS THESE TEND TO ISOLATE THE VISUALLY IMPAIRED FROM THE REST OF THE VISITORS; (2) ALL TRAILS SHOULD BE CLEARLY DIFFERENTIATED FROM THE SURROUNDING ENVIRONMENT SO THAT THE VISUALLY IMPAIRED CAN USE RESIDUAL SIGHT OR PROPER MOBILITY TECHNIQUES FOR TRAVEL; ROPES ARE UNNECESSARY AND OFTEN VANDALIZED; (3) SPECIAL PAVEMENT IS NOT NEEDED; (4) RAILINGS SHOULD BE PROVIDED AT HAZARDOUS AREAS; AND (5) INTERPRETATION SHOULD BE OFFERED THROUGH THE USE OF PORTABLE CASSETTE TAPE PLAYERS, AND BOOKLETS FOR THE HARD OF HEARING. (AUTHOR/RH)

AN - E0134414  
CHAN - SE021491  
TI - RECREATION ACTIVITY CLUSTERING: BEHAVIORAL AND MANAGEMENT IMPLICATIONS.

AU - YOESTING, DEAN R.

PD - 75

NO - 29P.

IS - PIF77JUN

PP - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.

DT - K

IT - \*BEHAVIOR PATTERNS; \*OUTDOOR EDUCATION; \*RECREATION

IT - \*RECREATIONAL ACTIVITIES; \*RECREATIONAL FACILITIES; RESEARCH

ST - \*RESEARCH REPORTS

AB - AN ALTERNATIVE METHOD FOR PREDICTING RECREATION USE PATTERNS IS EXPLORED. A FACTOR ANALYTICAL TECHNIQUE IS USED TO DETERMINE IF PATTERNS AND RECREATION CLUSTERS EXIST THAT CAN BE USED IN ESTIMATING RESPONSE TO NEW KINDS OF RECREATION DEVELOPMENTS. ANALYSIS OF 45 OUTDOOR RECREATION ACTIVITIES IS PRESENTED WITH 5 RECREATION CLUSTERS DEVELOPED. SOCIOECONOMIC CHARACTERISTICS ARE RELATED TO CLUSTER PARTICIPATION, AND INTERCLUSTER PARTICIPATION IS EXAMINED. A STRATIFIED RANDOM SAMPLE OF IOWA RESIDENTS 12 AND OLDER WAS USED. MANAGEMENT IMPLICATIONS ARE DISCUSSED. (AUTHOR)



AN - ED134.19  
 CHAN - SE021491  
 TI - GUIDE FOR SELF-APPRAISAL AND CERTIFICATION OF RESIDENT OUTDOOR ENVIRONMENTAL EDUCATION PROGRAMS.  
 OS - LOS ANGELES COUNTY SUPERINTENDENT OF SCHOOLS, CALIF.  
 PD - 75  
 NO - 89P.  
 IS - R1E77JUN  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE.  
 SPO - CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO.  
 DT - 0  
 IT - \*CERTIFICATION; \*ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; \*EVALUATION; \*OUTDOOR EDUCATION  
 IT - PROGRAM DEVELOPMENT; PROGRAM EVALUATION; SCIENCE EDUCATION  
 IT - \*STATE STANDARDS  
 ST - \*CALIFORNIA; RESIDENT OUTDOOR EDUCATION  
 AB: - THIS GUIDE WAS THE FIRST OF ITS KIND FOR PUBLIC SUPPORTED RESIDENT OUTDOOR ENVIRONMENTAL EDUCATION PROGRAMS (ROEEP) IN CALIFORNIA. THE DOCUMENT CONTAINS AN INSTRUMENT WHICH WILL IDENTIFY THE STRENGTHS AND POSSIBLE AREAS OF IMPROVEMENT FOR SPECIFIC RESIDENT OUTDOOR ENVIRONMENTAL EDUCATION PROGRAMS. THE INSTRUMENT AND PROCEDURES WERE FIELD TESTED. THE PURPOSES OF THE DOCUMENT ARE: (1) TO PROVIDE STANDARDS FOR ROEEP CERTIFICATION (MAKING THE INSTITUTION ELIGIBLE FOR POSSIBLE STATE FUNDS). AND (2) FOR SELF-STUDY TO IMPROVE THE LOCAL PROGRAM. THE CHECK LISTS AND PROCEDURES INCLUDE MANY USEFUL IDEAS FOR ANYONE INVOLVED WITH RESIDENT EDUCATION PROGRAMS. (RH)

AN - ED134433  
 CHAV - 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.  
 PD - MAR 75  
 NO - 236P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF  
 ORIGINAL DOCUMENT  
 IS - R1E77JLN  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 DT - C  
 IT - BIOLOGY; CURRICULUM; EARTH SCIENCE; ECOLOGY  
 IT - \*ELEMENTARY EDUCATION; \*ELEMENTARY SCHOOL SCIENCE; \*ENVIRONMENT  
 I\* - \*ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS  
 IT - \*OUTDOOR EDUCATION; \*TEACHING GUIDES  
 AB - THIS IS A CURRICULUM GUIDE FOR ENVIRONMENTAL EDUCATION DESIGNED  
 FOR USE IN GRADES K-5. WHILE THE GUIDE IS DESIGNED TO BE USED IN  
 A MONTANA ENVIRONMENTAL EDUCATION STUDY AREA, MOST ACTIVITIES CAN  
 BE USED DIRECTLY IN OTHER LOCATIONS; OTHERS CAN BE ADAPTED.  
 INCLUDED ARE: (1) A DISCUSSION OF ECOLOGICAL TERMS, (2) A LIST OF  
 VOCABULARY WORDS, (3) ACTIVITIES, AND (4) SUGGESTIONS FOR  
 INSTRUCTION. MOST OF THE ACTIVITIES ARE DETAILED WITH BACKGROUND  
 INFORMATION FOR THE TEACHER. THE SUGGESTIONS FOR INSTRUCTION  
 INCLUDE A NUMBER OF CHECK LISTS AND OTHER PRACTICAL SUGGESTIONS  
 FOR TEACHERS. (RH)

AN - ED134448  
 CHAN - SE021919  
 TI - VALUING THE ENVIRONMENT, K-6.  
 OS - CHARLOTTE-MECKLENBURG PUBLIC SCHOOLS, CHARLOTTE, N.C.  
 PD - 75  
 NO - 143P.: FOR RELATED DOCUMENTS, SEE SE 021 920 AND ED 106 087; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT  
 IS - RTF77JUN  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 SPO - NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF DEVELOPMENT.  
 DT - G  
 IT - CONSERVATION EDUCATION; \*ELEMENTARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; \*INSTRUCTIONAL MATERIALS  
 IT - LEARNING ACTIVITIES; \*NATURAL RESOURCES; OUTDOOR EDUCATION  
 IT - SCIENCE ACTIVITIES; SCIENCE EDUCATION; \*VALUES  
 AB - THIS GUIDE WAS DEVELOPED FOR USE IN GRADES K-6 AS AN ENRICHMENT PROGRAM BASED ON CLARIFYING VALUES. THE PROGRAM, DESIGNED BY TEACHERS, AIMS TO DEVELOP IN THE STUDENT A GREATER AWARENESS AND UNDERSTANDING OF THE COMMUNITY, THEMSELVES, AND THE EARTH. THE PROGRAM INCLUDES A NUMBER OF ENVIRONMENTAL ENCOUNTERS. TOPICAL THEMES LEAD TEACHERS AND STUDENTS THROUGH MAIN AREAS OF AWARENESS: PLANTS AND ANIMALS, WATER, AIR, ENERGY, NATURAL RESOURCES, LAND USE, AND AESTHETICS AND POLLUTION. THE CONCEPTUAL SCHEMES UNDER EACH AREA OF AWARENESS INCREASE IN COMPLEXITY ACCORDING TO THE DEVELOPMENT LEVEL OF THE STUDENTS. THE ACTIVITIES IN THE ENCOUNTERS ARE ACTION-ORIENTED, STUDENT-CENTERED ACTIVITIES WHICH PROVIDE "HANDS-ON" LEARNING EXPERIENCES. EACH ENCOUNTER PROVIDES BACKGROUND INFORMATION, BEHAVIORAL OBJECTIVES, ACTIVITIES, A RESOURCE REFERENCE LISTING, AND VALUE CLARIFICATION STRATEGIES. INSTRUCTIONS FOR USE OF THE VALUE CLARIFICATION STRATEGIES CONTAINED IN THE PROGRAM ARE INCLUDED. (AUTHOR/RH)

AN - ED134449  
 CHAN- SF021920  
 TI - VALUING THE ENVIRONMENT, 7-12.  
 OS - CHARLOTTE-MECKLENBURG PUBLIC SCHOOLS, CHARLOTTE, N.C.  
 PD - JUN 75  
 NO - 199P.; FOR RELATED DOCUMENTS, SEE SE 021 919 AND ED 106 087; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT  
 IS - F1E77JUN  
 PR - EPRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EPRS.  
 SPJ - DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, WASHINGTON, D.C.  
 CG - CEG-C-74-7362  
 DT - G  
 IT - CONSERVATION EDUCATION; \*CURRICULUM; \*ENVIRONMENT  
 IT - \*ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS  
 IT - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION  
 IT - SCIENCE EDUCATION; \*SECONDARY EDUCATION; SOCIAL PROBLEMS  
 I - \*TEACHING GUIDES; \*VALUES  
 AB - THIS DOCUMENT IS A PILOT PROGRAM OF AN INTERDISCIPLINARY NATURE THAT COMPLEMENTS THE EXISTING CURRICULUM UTILIZING VALUE CLARIFICATION STRATEGIES. INCLUDED IN THIS PUBLICATION ARE A VARIETY OF VALUE ENCOUNTERS. THE VALUE ENCOUNTERS ARE DIVIDED INTO FOUR BROAD CONCEPTUAL AREAS: (1) ENVIRONMENTAL MANAGEMENT; (2) ENVIRONMENTAL QUALITY; (3) ENVIRONMENTAL ECOLOGY; AND (4) SOCIOCULTURAL ENVIRONMENT. FOR EACH ENCOUNTER, THERE IS AN INTRODUCTORY SECTION, BEHAVIORAL OBJECTIVES, ACTIVITIES, VALUES STRATEGIES, AND A BIBLIOGRAPHY OF USEFUL RESOURCES. THE ACTIVITIES ARE GRADED FOR APPLICABILITY, GRADES 7-9, 10-12, OR 7-12. (RH)

AN - ED134471  
 CHAN - SE022008  
 TI - EDUCATION'S ROLE IN LAND USE PLANNING. NATIONAL CONFERENCE OF THE CONSERVATION EDUCATION ASSOCIATION (23RD, UNIVERSITY OF PORTLAND, PORTLAND, OREGON, AUGUST 15-19, 1976).  
 PD - AUG 76  
 NO - 59P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT  
 IS - RIE77JUN  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 DT - S  
 IT - \*CONFERENCES; CONSERVATION (CONCEPT); \*CONSERVATION EDUCATION  
 IT - \*ENVIRONMENT; ENVIRONMENTAL EDUCATION; \*LAND USE  
 IT - \*NATURAL RESOURCES; OUTDOOR EDUCATION; \*PLANNING  
 IT - \*PROGRAM DESCRIPTIONS  
 AB - PRESENTED IS AN OUTLINE OF THE PROGRAM AND ABSTRACTS OF MOST PRESENTED PAPERS FOR THE 23RD NATIONAL CONFERENCE OF THE CONSERVATION EDUCATION ASSOCIATION HELD IN AUGUST, 1976. THE THEME OF THE CONFERENCE WAS EDUCATION'S ROLE IN LAND USE PLANNING. PAPERS PRESENTED INCLUDE A VARIETY OF TOPICS RELATED TO LAND USE, CONSERVATION EDUCATION, NATURAL RESOURCES, ENVIRONMENTAL EDUCATION, AND OUTDOOR EDUCATION. A VARIETY OF PROGRAMS IS DESCRIBED INCLUDING FEDERAL, STATE, AND COUNTY LAND USE PLANNING AND PROGRAMS, AND SUCCESSFUL CASE HISTORIES OF EDUCATION'S ROLE IN LAND USE PLANNING FROM DIFFERENT PARTS OF THE UNITED STATES. (RH)

AN - ED135544  
 CHAN - RCC097C5  
 TI - ADMINISTRATIVE PROCEDURES FOR ESTABLISHING AN EFFECTIVE OUTDOOR PROGRAM FOR 5TH GRADE STUDENTS OF THE HOUSTON INDEPENDENT SCHOOL DISTRICT.  
 AU - HUCKESTEIN, JOSEPH J.  
 PD - 3 AUG 76  
 NC - 161P.; PRACTICUM REPORT FOR ED.D. DEGREE, NOVA UNIVERSITY  
 IS - R1E77JUL  
 PR - EDRS PRICE MF-\$0.83 HC-\$8.69 PLUS POSTAGE.  
 DT - R  
 IT - \*CAMPING; \*CHANGING ATTITUDES; CURRICULUM GUIDES  
 IT - \*ENVIRONMENTAL EDUCATION; GRADE 5; \*OUTDOOR EDUCATION  
 IT - \*PROGRAM EVALUATION; SELF CONCEPT; \*STUDENT ATTITUDES  
 ST - \*HOUSTON INDEPENDENT SCHOOL DISTRICT  
 AB - PRACTICUM OBJECTIVES WERE TO: SELECT 3 OUTDOOR CAMPSITES, EACH WITH THE FACILITIES TO ACCOMMODATE 120 STUDENTS PER WEEK AND TO PROVIDE AN ENVIRONMENT TO IMPLEMENT OUTDOOR EDUCATION CONCEPTS (KNOWLEDGE AND SKILLS FOR INTELLIGENT ENVIRONMENTAL DECISION MAKING AND POSITIVE ATTITUDES TOWARD SELF, OTHERS, AND THE ENVIRONMENT); PREPARE AND DISSEMINATE AN OUTDOOR EDUCATION GUIDE FOR THE HOUSTON INDEPENDENT SCHOOL DISTRICT; DETERMINE THROUGH THE USE OF A PRE- AND POST-INSTRUMENT THE DEGREE OF THE STUDENT'S MODIFICATIONS TOWARD ENVIRONMENTAL AWARENESS. FROM AMONG 9,000 ETHNICALLY STRATIFIED (BLACK, MEXICAN AMERICAN, AND OTHER) FIFTH GRADE STUDENTS PARTICIPATING IN A SEQUENCE OF OUTDOOR CAMPING EXPERIENCES, 400 STUDENTS WERE RANDOMLY SELECTED AS AN EXPERIMENTAL GROUP; 100 NON-CAMPING STUDENTS MADE UP THE CONTROL GROUP. BOTH GROUPS WERE GIVEN PRE AND POST ATTITUDINAL QUESTIONNAIRES, AND THE EXPERIMENTAL GROUP WAS GIVEN THE SAME INSTRUMENT THREE MONTHS AFTER THE CAMPING EXPERIENCE TO DETERMINE IF THERE WERE ANY CARRYOVER. ADDITIONALLY, 35 PARTICIPATING TEACHERS WERE GIVEN AN OPINIONNAIRE FOR PURPOSES OF PROGRAM IMPROVEMENT. IN GENERAL, FINDINGS INDICATED THAT THERE WERE POSITIVE ATTITUDINAL CHANGES AS A RESULT OF THE PROGRAM. AMONG THE RECOMMENDATIONS MADE FOR FUTURE PROGRAMS WERE: SHORTER NATURE WALKS; AN OPINIONNAIRE FOR THE PARENTS OF PARTICIPATING STUDENTS; MORE CLEARLY DEFINED TEACHER ROLES; FOLLOWUP ON THE EXPERIMENTAL GROUP; ETC. (JC)



AN - E0136971  
 CHAN - R0005715  
 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.  
 PD - MAR 77  
 NG - 111P.; FOP RELATED DOCUMENT, SEE ED 118 306  
 IC - RIE77AUG  
 PR - EDRS PRICE MF-\$0.83 HC-\$6.01 PLUS POSTAGE.  
 AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT  
 BOULEVARD, ALSTIN, TEXAS 78702 (STOCK NO. EC-052, \$5.50)  
 S01 - NATIONAL INST. OF EDUCATION (D-FEW), WASHINGTON, D.C.  
 CG - 400-75-0025  
 DT - L  
 IT - \*ABSTRACTS; \*ANNOTATED BIBLIOGRAPHIES; CAMPING  
 IT - \*CONSERVATION EDUCATION; CURRICULUM GUIDES  
 IT - EARLY CHILDHOOD EDUCATION; ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; FIELD TRIPS; HANDICAPPED CHILDREN  
 IT - HIGHER EDUCATION; INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES  
 IT - NATURAL RESOURCES; \*OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS  
 IT - PROGRAM DEVELOPMENT; RESOURCE GUIDES; SCIENCE ACTIVITIES  
 IT - SCIENCE EDUCATION; SUBJECT INDEX TERMS; TEACHING GUIDES  
 IT - URBAN EDUCATION  
 P1 - 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. (NC)

AN - ED13695E  
 CHAN - RC005776  
 TI - A 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.  
 PD - 1 DEC 76  
 NO - 49P.; TERM REPORT FOR "OUTDOOR TEACHER EDUCATION 555: INTRODUCTION TO EDUCATIONAL RESEARCH IN OUTDOOR EDUCATION"  
 IS - RI E77AUG  
 PR - EOPS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 DT - R  
 IT - \*ADULTS; ATTITUDES; ELEMENTARY EDUCATION; FOLLOWUP STUDIES  
 IT - \*GRADE 5; LEARNING EXPERIENCE; \*OUTDOOR EDUCATION  
 IT - \*PROGRAM ATTITUDES; \*PROGRAM EFFECTIVENESS; QUESTIONNAIRES  
 IT - \*RESIDENT CAMP PROGRAMS  
 ST - \*ILLINOIS (ROCKFORD)  
 AB - THE STUDY DETERMINED WHETHER A RESIDENTIAL OUTDOOR EDUCATION PROGRAM IN ROCKFORD, ILLINOIS PROVIDED A LONG LASTING EFFECT ON THOSE STUDENTS WHO AS 5TH GRADERS PARTICIPATED IN A WEEK LONG EXPERIENCE IN 1963 OR 1966. THE HYPOTHESES DEVELOPED WERE: OUTDOOR EDUCATIONAL EXPERIENCES PROVIDE A LONG LASTING EFFECT ON THOSE WHO HAVE HAD THE EXPERIENCE; PAST OUTDOOR EDUCATIONAL EXPERIENCES PROVIDE FOR AWARENESS OF THE ENVIRONMENT AND ENVIRONMENTAL PROBLEMS; CONCEPTS FOR OUTDOOR EDUCATION ARE OF VALUE TO OUTDOOR EDUCATIONAL PROGRAMS; AND PARENTS WHO PARTICIPATED IN OUTDOOR EDUCATIONAL EXPERIENCES AS STUDENTS FEEL THE EXPERIENCE WAS WORTHWHILE AND WOULD SUPPORT AN OUTDOOR EDUCATION EXPERIENCE FOR THEIR CHILDREN. DATA WERE OBTAINED FROM: A LETTER SENT TO THE TEACHER ASKING ABOUT THE PROGRAM, AND ATTITUDE QUESTIONNAIRES MAILED TO 22 PARTICIPANTS OF THE 1963 CLASS AND 16 OF THE 1966 CLASS. TEN OF THE 22 AND 5 OF THE 16 QUESTIONNAIRES WERE RETURNED. IT WAS FOUND THAT THE RESIDENTIAL OUTDOOR EDUCATION EXPERIENCE THAT THESE ADULTS PARTICIPATED IN AS CHILDREN HAD HAD A LONG LASTING EFFECT ON THEM. THEY REMEMBERED THEIR EXPERIENCES, AND THE ACTIVITIES THEY PARTICIPATED IN. THEY FELT THAT THIS EXPERIENCE WAS GOOD AND WORTHWHILE TO THEM, AND IT WOULD BE SO TO THEIR CHILDREN. THE OPPORTUNITY TO ENJOY THE OUTDOORS AS CHILDREN MAY HAVE LED TO THEIR INTEREST IN OUTDOOR ACTIVITIES AS ADULTS. (AC)

AN - ED137081  
 CHAN - SEQ2210  
 TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET K-3, THIRD REVISED EDITION. PRIMARY CEL BLOCKS, STUDENT ACTIVITY CARDS .  
 OS - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.  
 PD - 76  
 NO - 264P.; FOR RELATED INTERMEDIATE LEARNING PACKET, SEE SE 022 110; FOR THE SECOND REVISED EDITION OF PRIMARY TEACHER'S GUIDE, SEE ED 119 960; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT  
 IS - R1E77AUG  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 SPO - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE), WASHINGTON. D.C.  
 DT - G  
 IT - ART; \*ELEMENTARY EDUCATION; \*ENVIRONMENT  
 IT - \*ENVIRONMENTAL EDUCATION; \*INSTRUCTIONAL MATERIALS; LANGUAGE ARTS  
 IT - \*LEARNING ACTIVITIES; MATHEMATICS; MUSIC; OUTDOOR EDUCATION  
 IT - PRIMARY GRADES; SCIENCE ACTIVITIES; SOCIAL STUDIES  
 ST - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III  
 AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS: PRIMARY AND INTERMEDIATE. 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 MATERIALS IN THIS PRIMARY SET CONSIST OF STUDENT ACTIVITY CARDS AND RESOURCE MATERIALS. A GLOSSARY IS PROVIDED; IT IS KEYED TO THE ACTIVITY CARDS. (RH)

AN - E0137062  
 CHAN - SF022110  
 TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET GRADES 4-6, THIRD  
 REVISED EDITION. INTERMEDIATE CEL BLOCKS, STUDENT ACTIVITY  
 CARDS.  
 OS - BREVARD COUNTY SCHOOL BOARD, COCCA, FLA.  
 PD - 76  
 NO - 279P.; FOR RELATED PRIMARY LEARNING PACKET, SEE SE 022 109; FOR  
 THE SECOND REVISED EDITION OF THE INTERMEDIATE TEACHER'S GUIDE,  
 SEE ED 119 961; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL  
 LEGIBILITY OF ORIGINAL DOCUMENT  
 IS - RIE77AUG  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 SPO - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (OHEW/OEI),  
 WASHINGTON, D.C.  
 DT - G  
 IT - \*ELEMENTARY EDUCATION; \*ENVIRONMENT; \*ENVIRONMENTAL EDUCATION  
 IT - \*INSTRUCTIONAL MATERIALS; \*LEARNING ACTIVITIES; OUTDOOR EDUCATION  
 IT - SCIENCE ACTIVITIES; SOCIAL STUDIES  
 ST - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III  
 AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS:  
 PRIMARY AND INTERMEDIATE. 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 SEVERAL  
 AREAS. THE MATERIALS IN THIS SET FOR INTERMEDIATE AND UPPER  
 GRADES CONSIST OF STUDENT ACTIVITY CARDS AND RESOURCE MATERIALS.  
 A GLOSSARY IS PROVIDED; IT IS KEYED TO THE ACTIVITY CARDS. (RH)

OU

AN - ED137129  
 CHAN- SE022395  
 TI - CURRICULUM REPORT, VOLUME 6, NUMBER 3, MARCH 1977.  
 CS - NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS; RESTON, VA.  
 PD - MAR 77  
 NO - 13P.: FOR VOL. 3, N. 1. SEE ED 100 177; FOR VOL. 3, NO. 6, SEE  
 ED 093 773; NOT AVAILABLE IN HARD COPY DUE TO COPYRIGHT  
 RESTRICTIONS  
 TS - RIE77AUG.  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS, 1904  
 ASSOCIATION DRIVE, RESTON, VIRGINIA 22091 (\$0.50 SINGLE COPY;  
 2-10 COPIES \$0.30 EA.; PAYMENT MUST ACCOMPANY ORDER OF \$10.00 OR  
 LESS)  
 DT - J  
 IT - \*CURRICULUM; \*ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; FIELD STUDIES; \*INSTRUCTIONAL MATERIALS  
 IT - OBJECTIVES; OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 AB - THIS ISSUE OF CURRICULUM REPORT IS CONCERNED WITH ENVIRONMENTAL  
 EDUCATION. PRESENTED ARE: (1) PRIMARY PURPOSES AND PREMISES OF  
 ENVIRONMENTAL EDUCATION; (2) EXAMPLES OF SECONDARY SCHOOL  
 ENVIRONMENTAL EDUCATION PROGRAMS; (3) THE USE OF OUTDOOR  
 LABORATORIES AND NATURE CENTERS; (4) ENVIRONMENTAL EDUCATION  
 PROGRAMS FOR STUDENTS WITH SPECIAL NEEDS; AND (5) MATERIALS  
 AVAILABLE FROM THE ERIC SYSTEM AND OTHER SOURCES. (RH)

AN - ED137283  
 CHAN- SP010924  
 TI - A SOCIAL SCIENCE BIBLIOGRAPHY OF LEISURE AND RECREATION RESEARCH.  
 AU - BURDGE, RABEL J.; AND OTHERS  
 PD - DEC. 75  
 NO - 114P.  
 TS - RIE77AUG  
 PR - EDRS PRICE MF-\$0.83 HC-\$6.01 PLUS POSTAGE.  
 DT - L  
 IT - \*BIBLIOGRAPHIC CITATIONS; ECONOMIC FACTORS; \*LEISURE TIME  
 IT - \*LIFETIME SPORTS; OUTDOOR EDUCATION  
 IT - \*PHYSICAL RECREATION PROGRAMS; \*RECREATIONAL ACTIVITIES  
 IT - \*RECREATIONISTS; SOCIAL ATTITUDES; SOCIAL RECREATION PROGRAMS  
 IT - SOCIAL SCIENCE RESEARCH  
 AB - THIS BIBLIOGRAPHY PROVIDES AN ACCESSIBLE SOURCE TO SOCIAL SCIENCE RESEARCH IN LEISURE, RECREATION, AND SPORTS. TOPICAL AREAS COVERED INCLUDE: (1) BIBLIOGRAPHIC SOURCES ON LEISURE AND RECREATION; (2) PHILOSOPHICAL ISSUES IN LEISURE; (3) THEORIES OF LEISURE AND RECREATION; (4) METHODS IN LEISURE AND RECREATION RESEARCH; (5) EVALUATION OF LEISURE AND RECREATION PROGRAMS; (6) MANAGEMENT AND PLANNING FOR LEISURE; (7) PROFILES OF LEISURE AND RECREATION BEHAVIOR; (8) RESOURCE-BASED OUTDOOR RECREATION; (9) LEISURE, RECREATION, AND THE ENVIRONMENT; (10) THE ECONOMICS OF RECREATION AND LEISURE; (11) COMMERCIAL AND PRIVATE RECREATION ACTIVITIES; (12) RECREATIONAL TRAVEL; (13) URBAN RECREATION; (14) LEISURE AND RECREATION PLACES; (15) LEISURE VALUES AND ATTITUDES; (16) SOCIAL CLASS, WORK, AND LEISURE; (17) SPORTS; AND (18) DEMAND ANALYSIS AND PREDICTION. (JD)

- AN - ED137523  
 CHAN - CE01C36C  
 TI - OUTDOOR RECREATION. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION.  
 AU - MCFLWEE, ROBERT; AND OTHERS  
 JS - VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG. AGRICULTURAL EDUCATION PROGRAM.  
 PD - 76  
 NO - 83P.; SPEECH PRESENTED AT A STAFF DEVELOPMENT SEMINAR (THE CENTER FOR VOCATIONAL EDUCATION, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO, DECEMBER 1976)  
 IS - RI77SEP  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE.  
 SPD - VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.  
 DT - C  
 IT - AGRIBUSINESS; \*AGRICULTURAL EDUCATION; CAREER EXPLORATION  
 IT - CURRICULUM GUIDES; MANAGEMENT; NATURAL RESOURCES  
 IT - OFF FARM AGRICULTURAL OCCUPATIONS; POST SECONDARY EDUCATION  
 IT - \*RECREATION; RECREATIONAL FACILITIES; RECREATIONAL PROGRAMS  
 IT - RECREATION FINANCES; RECREATION LEGISLATION; TEACHING GUIDES  
 IT - \*VOCATIONAL AGRICULTURE; VOCATIONAL EDUCATION  
 ST - \*OUTDOOR RECREATION  
 AB - THIS CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION CONTAINS NINE CHAPTERS ON OUTDOOR RECREATION. EACH IS WRITTEN BY A DIFFERENT AUTHOR (PROFESSORS AT VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY) AND FOLLOWS A SIMILAR FORMAT: OBJECTIVES, LIST OF REFERENCES, LIST OF TEACHING MATERIALS, NOTES ON TEACHER PREPARATION, CONTENT FOR PRESENTATION, NOTES ON APPLICATION, AND NOTES ON TESTING. THE CHAPTERS ARE (1) SELECTING A CAREER IN OUTDOOR RECREATION, (2) EXPLORING OPPORTUNITIES FOR ESTABLISHING A RECREATION BUSINESS, (3) UNDERSTANDING THE ECONOMIC IMPORTANCE OF RENEWABLE NATURAL RESOURCES, (4) MEETING THE REQUIREMENTS OF LOCAL, STATE, AND FEDERAL LAWS, (5) INSURANCE FOR THE CAMPGROUND OWNER, (6) TURFGRASS MANAGEMENT, (7) MANAGING A RECREATION BUSINESS, (8) ENVIRONMENTAL CONSIDERATIONS IN OUTDOOR RECREATION, AND (9) REPAIRING AND MAINTAINING STRUCTURES. (HD)

AN - ED138324  
 CHAN - RC009837  
 TI - CRESS-CROSS, 1976.  
 AU - CALDERON, MARGARITA, ED.  
 OS - NC MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON  
 RURAL EDUCATION AND SMALL SCHOOLS.  
 PD - 76  
 NC - 26P.; RELATED DOCUMENTS INCLUDE ED 108 794-801  
 IS - RIE77SEP  
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.  
 SPN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.  
 CG - 400-75-0025  
 DT - J  
 IT - \*AMERICAN INDIANS; \*BIBLIOGRAPHIES; BILINGUAL EDUCATION  
 IT - EDUCATIONAL NEEDS; \*LITERATURE REVIEWS; MEXICAN AMERICANS  
 IT - MIGRANT EDUCATION; \*NEWSLETTERS; \*OUTDOOR EDUCATION  
 IT - \*RURAL EDUCATION; SMALL SCHOOLS  
 AB - THREE ISSUES OF THE "CRESS-CROSS" NEWSLETTER PUBLISHED DURING  
 1976 ARE COMPILED IN THIS PUBLICATION. THESE ISSUES INCLUDE  
 INFORMATION ON: HOW TO CONTRIBUTE TO THE ERIC SYSTEM, THE  
 COMPUTER SEARCH SERVICES AT THE ERIC CLEARINGHOUSE ON RURAL  
 EDUCATION AND SMALL SCHOOLS, THE RURAL/REGIONAL EDUCATION  
 ASSOCIATION'S RESEARCH AWARD FOR MERITORIOUS RESEARCH RELEVANT TO  
 RURAL OR REGIONAL EDUCATION, AND THE GRADUATE LIBRARY INSTITUTE  
 FOR SPANISH SPEAKING AMERICANS IN TUCSON, ARIZONA. ARTICLES ARE:  
 "RURAL APPALACHIA: EDUCATIONAL NEEDS AND SOME REALITIES",  
 "OUTDOOR EDUCATION IN THE EDUCATIVE PROCESS", AND "BILINGUAL  
 PROGRAMS PREVAIL--A SAMPLE MODEL PROGRAM" (DISCUSSES THE  
 BILINGUAL PROGRAMS IN EL PASO, TEXAS). BRIEF REVIEWS ARE GIVEN OF  
 SUCH PAPERS AS: A 5-VOLUME SERIES OF POSITION PAPERS ON AMERICAN  
 INDIAN EDUCATION, "SCHOOL MANAGEMENT OPTIONS FOR AMERICAN  
 INDIANS", "THE AMERICAN INDIANS: ANSWERS TO 101 QUESTIONS",  
 "OUTWARD BOUND AND TEACHER EDUCATION", "STRENGTHENING THE SMALL  
 RURAL SCHOOL", "PROFILE ON THE MEXICAN AMERICAN WOMAN",  
 "ADVENTURE EDUCATION--WHAT IS IT AND HOW DO WE EVALUATE IT?", AND  
 "THE LAW OF THE PEOPLE (DINE BIBEE HAZ'AANNII): A BICULTURAL  
 APPROACH TO LEGAL EDUCATION FOR NAVAJO STUDENTS". A LISTING OF  
 328 DOCUMENTS APPEARING IN ISSUES OF "RESOURCES IN EDUCATION" AND  
 PERTAINING TO AMERICAN INDIANS, MEXICAN AMERICANS, MIGRANTS,  
 RURAL EDUCATION, SMALL SCHOOLS, AND OUTDOOR EDUCATION IS  
 INCLUDED. (NO)



AN - ED139555  
 CHAN - RCC09888  
 TI - PROJECT BACSTOP, E.S.E.A. TITLE III. EVALUATIVE REPORT, 1975-1976.  
 AU - SNOOKS, LEE; LONG, DANIEL  
 OS - BATTLE CREEK PUBLIC SCHOOLS, MICH.  
 PD - 9 AUG 76  
 NO - 84P.  
 IS - RIE770CT  
 PR - EDRS PRICE MF-9C.83 HC-\$4.67 PLUS POSTAGE.  
 SP0 - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. PROJECTS TO ADVANCE  
 CREATIVITY IN EDUCATION.  
 OT - Y  
 IT - \*BEHAVIOR CHANGE; \*BIRACIAL SECONDARY SCHOOLS; BLACK STUDENTS  
 IT - CAUCASIANS; CHANGING ATTITUDES; COGNITIVE DEVELOPMENT  
 IT - COMPARTIVE ANALYSIS; GRADE 7; GROUP RELATIONS  
 IT - \*INTERACTION PROCESS ANALYSIS; JUNIOR HIGH SCHOOL STUDENTS  
 IT - \*OUTDOOR EDUCATION; PROGRAM EVALUATION; \*RACE RELATIONS  
 IT - SECONDARY EDUCATION; SOCIOMETRIC TECHNIQUES  
 ST - \*BATTLE CREEK SCHOOL DISTRICT MI; ORIENTEERING; \*PROJECT BACSTOP  
 AB - DURING THE 1968-72 YEARS, NORTHWESTERN JUNIOR HIGH SCHOOL HAD THE  
 REPUTATION OF THE "MOST RACIALLY TROUBLED" JUNIOR HIGH SCHOOL IN  
 BATTLE CREEK, MICHIGAN. THE BACSTOP (BETTER ACQUISITION OF  
 COGNITIVE SKILLS THROUGH OUTDOOR PROGRAMMING) WAS IMPLEMENTED TO  
 ADDRESS SOME OF THE NEGATIVE PROBLEMS FACING THE SCHOOL. BACSTOP  
 AIMED TO: CREATE A MECHANISM THAT WOULD STOP AND REVERSE THE  
 RACIAL SEPARATISM AND ISOLATION PATTERN THAT BEGAN TO DEVELOP  
 AMONG NEW 7TH GRADERS ENTERING THE SCHOOL EACH YEAR; AND IMPROVE  
 THE EDUCATIONAL PERFORMANCE OF 7TH GRADERS IN BASIC SKILLS BY  
 REFOCUSING STUDENTS, FACULTY AND ADMINISTRATIVE ATTENTION ON THE  
 SCHOOL'S COGNITIVE RESPONSIBILITIES. ACTIVITIES WERE DESIGNED TO  
 BRING STUDENTS INTO EARLY CONTACT WITH EACH OTHER IN SITUATIONS  
 REQUIRING THAT THEY COMMUNICATE WITH EACH OTHER AND WORK TOGETHER  
 TO BRING ABOUT A POSITIVE AND SUCCESSFUL EXPERIENCE. FOUR  
 ACTIVITIES ENCOMPASSING TWO DAYS AND ONE NIGHT WERE DEVELOPED AS  
 THE MAJOR THRUST OF THE OUTDOOR PROGRAM (ROPE COURSE;  
 BACKPACKING; CROSS COUNTRY SKIING, WINTER CAMPING AND DUAL SOLO;  
 AND A CANOE TRIP). IN ADDITION EACH STUDENT WAS GIVEN THE  
 OPPORTUNITY TO SIGN UP FOR ONE 5-DAY EXPEDITION IN AN ISOLATED  
 AREA IN NORTHERN MICHIGAN. BY THE END OF THE 1975-76 SCHOOL YEAR,  
 THE SCHOOL REPRESENTED A MORE POSITIVE PROFILE. THERE WAS A  
 HIGHER LEVEL OF POSITIVE BIRACIAL INTERACTION AMONG 7TH GRADE  
 STUDENTS; AND RATE OF ACHIEVEMENT EXCEEDED THE DISTRICT RATE OF  
 ACHIEVEMENT. (NQ)

AN - ED139543  
 CHAN- RC005857  
 TI - INSTRUCTOR'S MANUAL, REVISED 1976. COLORADO OUTWARD BOUND SCHOOL.  
 OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.  
 PD - 76  
 NO - 113P.  
 IS - R1E770CT  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER,  
 (COLORADO 80203 (\$5.00))  
 DT - G  
 IT - ACCIDENT PREVENTION; ACTIVITY LEARNING; CAMPING  
 IT - COURSE DESCRIPTIONS; COURSE OBJECTIVES; \*CURRICULUM GUIDES  
 IT - FIRST AID; INTERDISCIPLINARY APPROACH; LESSON PLANS; MAP SKILLS  
 IT - \*OUTDOOR EDUCATION; \*PHYSICAL ACTIVITIES; POLICY  
 IT - \*PROGRAM CONTENT; RUNNING; \*SAFETY EDUCATION; TEACHING GUIDES  
 IT - TEACHING PROCEDURES  
 ST - \*COLORADO OUTWARD BOUND SCHOOL; \*EXPERIENTIAL LEARNING  
 ST - ORIENTEERING; OUTWARD BOUND  
 AB - PROVIDING TRADITIONAL KNOWLEDGE AND SKILLS, THE COLORADO OUTWARD  
 BOUND SCHOOL (COBS) PROGRAM HAS DEVELOPED ITS PROGRAM AROUND A  
 TRAINING PHASE, AN EXPEDITION, SOLO, FINAL EXPEDITION, AND  
 CONCLUDING PHASE. INTENDED TO BE AN EXPERIENTIAL LEARNING  
 EXPERIENCE THAT ENCOURAGES STUDENTS TO BECOME INVOLVED IN  
 EXPLORING NEW OR UNUSUAL AREAS OF THEIR LIVES, THE PROGRAM AIMS  
 TO PLACE THE STUDENT IN SITUATIONS THAT ENABLE HIM TO LEARN FROM  
 HIS EXPERIENCE. THIS MANUAL PROVIDES THE INFORMATION NECESSARY TO  
 CONDUCT AN OUTWARD BOUND COURSE SAFELY AND SUCCESSFULLY. THE  
 MANUAL CONTAINS: THE OBJECTIVES OF THE COBS PROGRAM; A SYLLABUS  
 OF ACTIVITIES THAT MAKE UP A TYPICAL OUTWARD BOUND  
 COURSE--ARRIVAL, TRAINING, RESUPPLY, EXPEDITION, SOLO, FINAL  
 EXPEDITION, MARATHON, AND WRAP-UP; COMMENTS THAT HELP GUIDE THE  
 INSTRUCTOR IN APPLYING THE SYLLABUS; AN ACTION PLAN FOR DEALING  
 WITH EMERGENCY SITUATIONS (STEPS AND TECHNIQUES); SAFETY POLICY  
 THAT MUST BE ADHERED TO; PROCEDURES THAT PROVIDE GUIDELINES FOR  
 ACTIVITIES ON A COURSE; EXPECTATIONS FOR STAFF; NECESSARY  
 REPORTS; AND LESSON PLANS FOR ROCK, SNOW, AND ICE CLIMBING, PEAK  
 CLIMBS, BACKCOUNTRY ETHIC, CAMPCRAFT, USE OF THE MAP AND COMPASS,  
 ZIP LINE AND GORGE CROSSING, THE ROPES COURSE, THE RUN AND DIP,  
 AND THE MARATHON. (NC)

AN - ED139544  
 CHAN - RC009858  
 TI - LOGISTICS HANDBOOK, 1976. COLORADO OUTWARD BOUND SCHOOL.  
 JS - COLORADO OUTWARD BOUND SCHOOL, DENVER.  
 PD - 76  
 NO - 92P.  
 IS - R1E770CT  
 DR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDPS.  
 AV - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER,  
 COLORADO 80203 (\$4.00)  
 DT - G  
 IT - ACCOUNTABILITY; \*ADMINISTRATOR GUIDES; CLOTHING; \*COORDINATORS  
 IT - EDUCATIONAL EQUIPMENT; EQUIPMENT MAINTENANCE; FIRST AID; FOOD  
 IT - MOTOR VEHICLES; \*OCCUPATIONAL INFORMATION; \*OUTDOOR EDUCATION  
 IT - PERFORMANCE SPECIFICATIONS; PURCHASING; RECORDS (FORMS)  
 IT - \*RESPONSIBILITY; SUMMER PROGRAMS  
 ST - COLORADO OUTWARD BOUND SCHOOL; \*LOGISTICS; \*OUTWARD BOUND  
 AB - LOGISTICS, A SUPPORT MISSION, IS VITAL TO THE SUCCESSFUL  
 OPERATION OF THE COLORADO OUTWARD BOUND SCHOOL (COBS) COURSES.  
 LOGISTICS IS RESPONSIBLE FOR PURCHASING, MAINTAINING,  
 TRANSPORTING, AND REPLENISHING A WIDE VARIETY OF ITEMS, I.E.,  
 FOOD, MAINTAINING AND CAMPING EQUIPMENT, MEDICAL AND OTHER  
 SUPPLIES, AND VEHICLES. THE LOGISTICS COORDINATOR WORKS DIRECTLY  
 WITH THE COURSE DIRECTOR. THIS HANDBOOK PROVIDES THE BASIC  
 INFORMATION NEEDED BY A LOGISTIC COORDINATOR. THE INFORMATION  
 PERTAINS TO: THE COORDINATOR'S JOB DESCRIPTION; STAFF PURCHASES  
 AND DISCOUNTS (SUPPLIER, ITEM, AND DISCOUNT PERCENTAGE); BASE  
 OPERATIONS; VEHICLES AND VEHICLE MAINTENANCE; EQUIPMENT ISSUE AND  
 TURN-IN PROCEDURE; MAINTENANCE AND USE OF OPTIMUS STOVES; FIRST  
 AID RESPONSIBILITIES; ACCIDENT REPORT PROCEDURES; ACCOUNTING AND  
 CONTROL OF PRESCRIPTION DRUGS; HELICOPTER ALERT PROCEDURE;  
 NOTIFICATION SEQUENCE IN CASE OF SERIOUS ACCIDENT IN THE FIELD;  
 FRESH FOOD RESUPPLY FOR THE DIFFERENT AREAS; FRESH FOOD MENUS;  
 ADMINISTRATIVE AND CLOSING PROCEDURES; AND MAP ORDERING  
 PROCEDURE. ALSO INCLUDED ARE: COPIES OF THE VEHICLE INCIDENT  
 REPORT, EQUIPMENT INVOICE, SEWING CHARGES SHEET, STORE INVOICE,  
 FIELD EXPENSE RECORD, PURCHASE ORDERS, DISBURSEMENT REQUISITION,  
 AND PERSONAL EFFECTS RECEIPT; AND LISTINGS OF STANDARD STUDENT  
 EQUIPMENT FOR SUMMER COURSE, SUMMER AND WINTER CLOTHING, STANDARD  
 FIRST AID KITS, AND DRY FOOD AND RATIONS. GENERAL STUDENT  
 INFORMATION IS GIVEN. (NQ)

AN - ED139545  
 CHAN - PC009899  
 TI - A PLANNING GUIDE FOR SHORT BACKPACKING AND SKI TOURING COURSES WITH COLORADO OUTWARD BOUND SCHOOL.  
 AU - WOLFOD, RICKI  
 OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.  
 PD - SEP 75  
 NO - 66P.  
 IS - RIE77OCT  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER, COLORADO 80203 (\$2.00)  
 DT - G  
 IT - ACCIDENT PREVENTION; BIBLIOGRAPHIES; CHARTS; CLOTHING  
 IT - CREATIVE ACTIVITIES; ECOLOGY; ENVIRONMENTAL EDUCATION; FIRST AID  
 IT - FOOD; GEOLOGY; GROUP EXPERIENCE; \*GUIDES; HISTORY  
 IT - \*HUMANISTIC EDUCATION; INSTRUCTIONAL TRIPS  
 IT - \*INTEGRATED ACTIVITIES; INTERDISCIPLINARY APPROACH; MAP SKILLS  
 IT - MODELS; OBJECTIVES; \*OUTDOOR EDUCATION; PROGRAM EVALUATION  
 IT - \*PROGRAM PLANNING; STUDENT PARTICIPATION; STUDENT PROJECTS  
 IT - TEACHER RESPONSIBILITY; TEACHER ROLE; VALUES  
 ST - \*BACKPACKING; COLORADO OUTWARD BOUND SCHOOL; OUTWARD BOUND  
 ST - \*SKIING  
 AB - OUTWARD BOUND (OB) BACKPACKING AND NORDIC SKI PROGRAMS AIM TO INTEGRATE HUMANISTIC GOALS (I.E., PERSONAL AWARENESS AND UNDERSTANDING AND COMPASSION FOR OTHERS) WITH THE SCHOOL'S CURRICULUM. PROGRAM GOALS FALL IN THREE AREAS--PERSONAL, GROUP, AND ACADEMIC. IN DESIGNING A SUCCESSFUL COURSE WHICH WILL ACHIEVE THE GOALS, THERE ARE SEVERAL PHASES, ALL EQUALLY IMPORTANT: PLANNING, STUDENT INVOLVEMENT, CLASSROOM PREPARATION, CONNECTING EXPERIENCE, AND FOLLOW-UP OR EVALUATION. FOLLOWING THESE PHASES, THIS GUIDE PRESENTS IDEAS TO AID TEACHERS IN DESIGNING AND CARRYING OUT THEIR OWN CB PROGRAMS. COVERED ARE: TEACHERS' ROLE AND RESPONSIBILITIES; FUND RAISING; FOOD PLANNING; STUDENTS' PROJECTS; SUGGESTED ACTIVITIES IN GEOLOGY, ECOLOGY, WEATHER, MAP AND COMPASS, HUMAN HISTORY, AND CREATIVE WRITING AND ART; ACTIVITIES DURING THE COURSE--INTRODUCTION GAMES, GROUP JOURNALS, ENVIRONMENTAL AWARENESS EXERCISES, GROUP EXPERIENCES, VALUES CLARIFICATION, POETRY, STORIES, READINGS, AND PERSONAL INTERVIEWS; AND COURSE EVALUATION. APPENDICES INCLUDE: AN OB SHORT SCHOOL PROGRAM PROPOSAL FORM, TIME LINE CHART, BACKPACKING AND SHORT SKI PROGRAM MODELS, SAMPLE MENUS, INSULATION AND CHILL FACTOR CHARTS, COMMON ANIMAL TRACKS, FIRST AID KIT AND CLOTHING LISTS, A GENERAL BIBLIOGRAPHY OF SKI TOURING LITERATURE, RULES FOR PREVENTING HYPOTHERMIA AND FOR AVOIDING AND SURVIVING SNOW AVALANCHES, AND A SKI TOURING PROGRAM EVALUATION FORM. (NO)

AN - ED139566  
 CHAN - RCC09900  
 TI - RESOURCE GUIDE TO THE PAWNEE GRASSLANDS.  
 AU - KIELSMIER, JIM; AND OTHERS  
 OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.  
 PD - AUG 75  
 NO - 35P.  
 IS - RIE770CT  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER,  
 COLORADO 80203 (\$2.00)  
 DT - 6  
 IT - AMERICAN INDIANS; ANTHROPOLOGY; ARCHAEOLOGY; CLIMATIC FACTORS  
 IT - \*ENVIRONMENTAL EDUCATION; ENVIRONMENTAL INFLUENCES; FIELD TRIPS  
 IT - GEOLOGY; HISTORY; INFORMATION SOURCES; \*INTEGRATED ACTIVITIES  
 IT - \*INTERDISCIPLINARY APPROACH; LAND SETTLEMENT; LITERATURE  
 IT - MIGRATION PATTERNS; NUTRITION; \*OUTDOOR EDUCATION  
 IT - \*RESOURCE GUIDES; RESOURCE MATERIALS; UNIT PLAN  
 ST - \*COLORADO; LOGISTICS; \*PAWNEE GRASSLANDS  
 AB - COLORADO'S PAWNEE GRASSLANDS ARE WELL SUITED FOR A WIDE RANGE OF  
 ACADEMIC STUDY, FROM ASTRONOMY TO ZOOLOGY. DESIGNED FOR EDUCATORS  
 AND YOUTH LEADERS SEEKING TO INTEGRATE AN ALTERNATIVE EXPERIENCE  
 INTO THEIR CURRICULUM OR RECREATION PROGRAM, THIS GUIDE IS  
 INTENDED TO GIVE LEADERS OF EXCURSIONS TO THE GRASSLANDS A SENSE  
 OF WHAT'S OUT THERE AND SOME IDEAS ON HOW TO CREATIVELY USE THE  
 ENVIRONMENT. THE GUIDE PRESENTS INFORMATION ON THE: GRASSLANDS AS  
 A LEARNING ENVIRONMENT; ARCHAEOLOGICAL SEQUENCE IN THE CENTRAL  
 GREAT PLAINS; RECENT AMERICAN INDIAN HISTORY; THE BUFFALO RANGE  
 FROM 1350 TO 1880; MIGRATION AND SETTLEMENT PATTERNS IN  
 NORTHEASTERN COLORADO; SETTLEMENT DATES OF SELECTED TOWNS IN  
 NORTHEASTERN COLORADO; WHITE MAN AND THE GRASSLANDS; GEOLOGY OF  
 THE PAWNEE GRASSLANDS--SOIL, CLIMATE, PRECIPITATION AND  
 TEMPERATURE, IMPORTANT GRASSES, AND BIRDS AND MAMMALS;  
 DEVELOPMENT OF A UNIT--AN INTERDISCIPLINARY APPROACH TO THE  
 GRASSLANDS, ACTIVITY SITES, EQUIPMENT, SAFETY, FOOD AND WATER  
 SUGGESTIONS, NUTRITIONAL COMPONENTS IN THE EDIBLE PORTION OF ONE  
 POUND OF FOOD, SAMPLE IDEAS FOR EXPERIENCE-ORIENTED  
 INTERDISCIPLINARY GRASSLANDS UNITS; AND GRASSLANDS INFORMATION  
 SOURCES COVERING ANTHROPOLOGY, ENVIRONMENT, INDIAN HISTORY,  
 LITERATURE, OUTDOOR SKILLS/LOGISTICS OF FIELD TRIPS, AND PIONEER  
 HISTORY. (NQ)

- AN - ED13357C
- CHAN - RCC099C4
- TI - DRITHERS A COLLECTION OF VIABLE IDEAS FROM RURAL SCHOOLS.
- AU - ELLIOTT, RICHARD D., COMP.
- JS - GREENE - DELAWARE - SCHOMARTE - OTSEGO BOARD OF COOPERATIVE EDUCATIONAL SERVICES, STAMFORD, N.Y.
- PD - JUL 75
- AC - 96F.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT
- IS - RIET70CT
- PR - EDRS PRICE MF-\$0.93 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
- SP0 - OFFICE OF EDUCATION (OHEW), WASHINGTON, D.C. PROJECTS TO ADVANCE CREATIVITY IN EDUCATION.
- DT - K
- IT - CAREER EDUCATION; CONCERNS OF INTEREST; CLASS ORGANIZATION; DRAMA
- IT - EARLY CHILDHOOD EDUCATION; EDUCABLE MENTALLY HANDICAPPED
- IT - \*EDUCATIONAL ALTERNATIVES; EDUCATIONAL INNOVATION
- IT - ELEMENTARY SECONDARY EDUCATION; INDEPENDENT STUDY
- IT - INDIVIDUALIZED INSTRUCTION; \*INSTRUCTIONAL INNOVATION
- IT - \*LEARNING ACTIVITIES; MUSIC; NONGRADED SYSTEM; OPEN EDUCATION
- IT - OUTDOOR EDUCATION; PERCEPTUAL MOTOR LEARNING; PHYSICAL EDUCATION
- IT - \*READING; READING READINESS; RESOURCE GUIDES; \*RURAL EDUCATION
- IT - \*RURAL SCHOOLS; SCIENCE ACTIVITIES; SOCIAL STUDIES
- IT - \*SPECIAL EDUCATION; \*TEACHING METHODS; TEAM TEACHING
- ST - \*NEW YORK
- AB - AN INDIVIDUALIZED JUNIOR HIGH SCHOOL, A YOUTH RESOURCES PROGRAM THAT INTERWEAVES HIGH SCHOOL WITH SUPERVISED WORK EXPERIENCES, MULTI-AGED ELEMENTARY FAMILY GROUPINGS THAT MAINSTREAM EMR (EDUCABLE MENTALLY RETARDED) CHILDREN, AND A SINGLE LIBRARY ROOM TRANSFORMED INTO SEVEN OPTIONAL LEARNING STATIONS USING A MULTI-CHANNEL AUDIO SYSTEM ARE REAL PROGRAMS THAT MAKE A DIFFERENCE FOR STUDENTS IN RURAL SCHOOLS. THIS BOOKLET PRESENTS 65 INNOVATIVE AND PROMISING EDUCATIONAL PRACTICES THAT HAVE BEEN SUCCEEDING IN CLASSROOMS IN NEW YORK'S RURAL SCHOOLS. THE BOOKLET AIMS TO BUILD GREATER AWARENESS ABOUT PROGRAMS THAT CAN WORK IN RURAL SCHOOLS; AND TO SERVE AS A RESOURCE BOOK, NOT ONLY OF IDEAS, BUT ALSO OF EXPERIENCED PEOPLE WHO ARE ABLE TO OFFER INSIGHTS FOR TURNING IDEAS INTO WORKING PROGRAMS. IDEAS COVER SUCH TOPICS AS: PRIMARY, MIDDLE SCHOOL, AND SECONDARY ORGANIZATION; ORIENTATION FOR PRESCHOOL CHILDREN ENTERING PRIMARY SCHOOL; READING READINESS; READINESS SKILLS; MOTOR-PERCEPTUAL TRAINING; OPEN EDUCATION; A NONGRADED APPROACH; TEAM TEACHING; READING; COOKING; SPECIAL EDUCATION; PHYSICAL EDUCATION; ENGLISH; SOCIAL STUDIES; SCIENCE; INDEPENDENT STUDY; MUSIC; MEDIA CENTERS; OUTDOOR EDUCATION; ART; CAREER EDUCATION; HUMANITIES; COMMUNICATION ARTS; DRAMA; PROJECT ARTS; GRADUATION FROM JUNIOR HIGH SCHOOL; VOLUNTEER PROGRAMS; FAMILY GROUP APPROACH; AND MAINSTREAMING PRIMARY AND INTERMEDIATE CHILDREN. (NO)

AN - ED138571  
 CHAN - RC009905  
 TI - OUTWARD BOUND ADAPTIVE PROGRAMS IN PRIVATE SCHOOLS.  
 OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.  
 PD - 74  
 NO - 23P.  
 TS - R1E770CT  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 DT - D  
 IT - \*ARTICULATION (PROGRAM); \*DIRECTORIES; EDUCATIONAL ALTERNATIVES  
 IT - ENROLLMENT; INDIVIDUALIZED PROGRAMS; \*OUTDOOR EDUCATION  
 IT - \*PRIVATE SCHOOLS; \*PROGRAM CONTENT; PROGRAM DESCRIPTIONS  
 ST - EXPERIENTIAL LEARNING; \*OUTWARD BOUND  
 AB - DEMONSTRATING THE VARIETY IN PROGRAM AND STUDENT INVOLVEMENT IN  
 EXPERIMENTAL LEARNING, THIS CATALOG BRINGS TOGETHER SOME OF THE  
 VARIOUS ADAPTATIONS OF OUTWARD BOUND (OB) IN 82 PRIVATE SCHOOLS  
 AROUND THE COUNTRY. THE CATALOG, WHICH MAY SERVE AS A SOUNDING  
 BOARD FOR A BRAINSTORMING SESSION, INCLUDES: THE SCHOOL NAME,  
 ADDRESS, AND PHONE; CONTACT PERSON FOR EACH SCHOOL; IDEAS THAT  
 HAVE BEEN IMPLEMENTED; WHETHER THE SCHOOL IS COED OR NOT; AND THE  
 GRADE LEVEL INVOLVED. EACH SCHOOL HAS DECIDED ITS NEEDS AND  
 ABILITIES AFTER HOURS OF BRAINSTORMING, EXPERIMENTING, CHANGING,  
 EVALUATING, AND RE-EVALUATING. THE ADAPTATIONS ARE BUILT AROUND  
 THE PHILOSOPHY AND GOALS OF OB AND THE BASIC COMPONENTS OF THE OB  
 COURSE--INITIAL SKILLS TRAINING, AN EXPEDITION, A SOLO, A FINAL  
 EXPEDITION, AND A FOLLOW-UP. A BRIEF DISCUSSION OF OUTWARD BOUND  
 AND ITS HISTORY, AND AN ALPHABETICAL LISTING OF THE SCHOOLS BY  
 STATE ARE INCLUDED. (NQ)

AN - F0139572

CHAN RC009906

TI - TOWARD DEFINING MEASURABLE OBJECTIVES IN THE AFFECTIVE DOMAIN FOR EXPERIENTIAL EDUCATION PROGRAMS.

AU - MCKEAN, BOB, ED.; AND OTHERS

OS - CCLCRADC OUTWARD BOUND SCHOOL, DENVER.

PD - 75

NC - 34P.

IS - R1E77007

PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. MC NOT AVAILABLE FROM EDRS.

AV - CCLCRADC OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER, COLORADO 80203 (\$1.00)

DT - R

IT - ACTIVITY LEARNING; \*AFFECTIVE BEHAVIOR; AFFECTIVE OBJECTIVES

IT - \*BEHAVIORAL OBJECTIVES; \*BEHAVIOR CHANGE; COMMUNITY INVOLVEMENT

IT - COURSE OBJECTIVES; EDUCATIONAL ALTERNATIVES; EDUCATIONAL PROGRAMS

IT - ELEMENTARY SECONDARY EDUCATION; EXCEPTIONAL (ATYPICAL)

IT - GROUP ACTIVITIES; LEARNING ACTIVITIES; \*OBSERVATION

IT - \*OUTDOOR EDUCATION; RETARDED CHILDREN; SKILL DEVELOPMENT

ST - \*EXPERIENTIAL LEARNING; \*OUTWARD BOUND

AB - HOW DO WE ESTIMATE PERSONAL GROWTH? WHAT DO EXPERIENTIAL EDUCATION PROGRAMS ACCOMPLISH? PERSONAL GROWTH (AFFECTIVE DOMAIN) OFTEN IS FOSTERED THROUGH EXPERIENTIAL EDUCATION PROGRAMS, BUT IT IS DIFFICULT TO MEASURE THE RELATIONSHIP BETWEEN THE TWO. ONE MANNER OF MEASUREMENT IS THE OBSERVATION OF EXTERNAL ACTIONS BY A STUDENT THAT DEMONSTRATE WHAT PERSONAL, INTERNAL GROWTH IS TAKING PLACE. THIS OBSERVATION CAN YIELD AN ACCURATE, SENSITIVE ESTIMATE OF PERSONAL GROWTH. IT REQUIRES, HOWEVER, CLEAR DEFINITION OF PROGRAM GOALS AND STUDENT OBSERVABLE BEHAVIOR. THIS PAPER EXPLORES THIS MANNER OF MEASUREMENT BY DISCUSSING THE NECESSITY FOR OBJECTIVES, DESCRIBING THE AFFECTIVE DOMAIN, AND DISCUSSING THE UTILIZATION OF BEHAVIORAL INDICATORS TO MAKE AFFECTIVE OBJECTIVES WORKABLE. SIX PROGRAM DESCRIPTIONS ARE INCLUDED AS EXAMPLES OF THE COMBINATION OF AFFECTIVE MEASURABLE OBJECTIVES WITH THE FIELD OF EXPERIENTIAL EDUCATION. ILLUSTRATING WHAT IS POSSIBLE AND BEING DEVELOPED IN THE FIELD OF EXPERIENTIAL EDUCATION, THE EXAMPLES INCLUDE THE NECESSARY BEHAVIORAL INDICATORS, WHICH GUIDE THE TEACHER-OBSERVER IN THE RECOGNIZING AND CATEGORIZING STUDENT CHANGE. THE PROGRAMS COVER: INVOLVEMENT IN THE LOCAL COMMUNITY; LIVING WITHIN A NEW COMMUNITY ENVIRONMENT; OUTDOOR ACTIVITIES FOR SPRING, SUMMER, FALL, AND WINTER; AND OUTDOOR PURSUITS FOR MENTALLY RETARDED AND FOR "DISAFFECTED" STUDENTS. (AUTHOR/NQ)





AN - ED139590  
 CHAN - RC009926  
 TI - HEBERTISME  
 AU - COUSINEAU, CLAUDE  
 DS - ONTARIO MINISTRY OF CULTURE AND RECREATION, TORONTO.  
 PD - 76  
 NO - 93P.  
 IS - RIE77OCT  
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.  
 AV - ONTARIO GOVERNMENT BOOK STORE, 880 BAY STREET, TORONTO, ONTARIO,  
 CANADA M7A 1N8 (\$0.50)  
 DT - C  
 IT - CARTOONS; CONCEPT FORMATION; DEFINITIONS; \*GUIDES; \*ILLUSTRATIONS  
 IT - \*OUTDOOR EDUCATION; \*PHYSICAL EDUCATION; \*PROGRAM DEVELOPMENT  
 IT - \*SITE DEVELOPMENT; SITE SELECTION  
 ST - EXPERIENTIAL LEARNING; \*HEBERTISME  
 AB - DESIGNED TO BE OF USE TO OUTDOOR EDUCATION CENTERS, CAMP SET-UPS,  
 OR EVEN PUBLIC OR PRIVATE SCHOOLS, THIS GUIDE TO THE DEVELOPMENT  
 OF AN "HEBERTISME" SITE PRESENTS THE FOLLOWING: (1) DEFINITION  
 ("AN OPPORTUNITY TO DISCOVER ONE'S OWN POTENTIAL AND LIMITATIONS  
 IN MOVING ABOUT IN THE NATURAL ENVIRONMENT" USING A NETWORK OF  
 NATURAL AND MANMADE OBSTACLES PLACED IN A FORESTED AREA); (2)  
 GEORGE HEBERT AND THE DEVELOPMENT OF A PHYSICAL FITNESS TRAINING  
 CONCEPT THAT INCORPORATES NATURAL EXERCISES WHICH ARE FUNCTIONAL,  
 USEFUL, AND GLOBAL AND PERFORMED IN THE OPEN AIR); (3) THE MEN  
 WHO IMPORTED HEBERT'S IDEAS ON PHYSICAL FITNESS (FATHER RADUL  
 CLOUTIER AND GEORGES GAUVREAU); (4) SITE SELECTION (AN ACCIDENTAL  
 TERRAIN OF FOUR TO FIVE ACRES INCLUDING A FLAT PLATEAU IS IDEAL);  
 (5) SITE DEVELOPMENT (AN IDEAL SITE IS ONE THAT IS VERY  
 INCONSPICUOUS, THAT HAS KEPT AS MUCH OF THE GROUND VEGETATION AS  
 POSSIBLE AND THAT HAS USED NATURAL MATERIAL THAT BLENDS WITH THE  
 NATURAL ENVIRONMENT); (6) THE HEBERTISME DESIGN (INCLUDES A  
 CENTRAL PLATEAU, AN AERIAL COURSE, AND A GROUND COURSE); (7) THE  
 APPARATUS (CLASSIFIED AS WALKING AND RUNNING; BALANCING; CRAWLING  
 AND "ON ALL FOURS"; LIFTING, CARRYING, AND THROWING; JUMPING;  
 ARM SUPPORTING; SUSPENSION; CLIMBING; AND THE THRILLERS); (8)  
 MATERIAL (ROPE, PLANKS, ETC.); (9) SAFETY (EMPHASIS ON CALCULATED  
 RISK-TAKING); (10) PROGRAM AND PEDAGOGY (EXAMPLES). (JC)

AN - ED139592  
 CFAN - RC009928  
 TI - THE APPALACHIAN TRAIL: GUIDELINES FOR PRESERVATION, REVISED MAY 1977.  
 OS - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF LANDSCAPE ARCHITECTURE.  
 PD - MAY 77  
 NO - 229P.  
 \*S - R1E77OCT  
 PR - EDRS PRICE MF-\$0.83 HC-\$12.71 PLUS POSTAGE.  
 SPD - PENNSYLVANIA STATE DEPT. OF COMMUNITY AFFAIRS, HARRISBURG.  
 DT - G  
 IT - CHANGE STRATEGIES; \*CONSERVATION (ENVIRONMENT); FORESTRY  
 IT - GEOGRAPHIC LOCATION; GEOLOGY; GOVERNMENT POLICY; GUIDELINES  
 IT - LAND ACQUISITION; \*LANDSCAPING; \*LAND USE; MAPS  
~~IT~~ - NATURAL RESOURCES; \*OUTDOOR EDUCATION; PHYSICAL DESIGN NEEDS  
 IT - PRESERVATION; RECREATIONAL FACILITIES; SITE ANALYSIS  
 IT - \*SITE DEVELOPMENT; SOIL CONSERVATION; \*TRAILS  
 ST - \*APPALACHIAN TRAIL  
 AB - WITH INCREASING DEVELOPMENTAL PRESSURE BEING ASSERTED ON LAND RESOURCES, THERE IS A NEED FOR IDENTIFYING UNIQUE AREAS THAT, ONCE DESTROYED, MAY NEVER BE RECOVERED. MANY OF THE AREAS SUFFERING FROM DEVELOPMENTAL ENCROACHMENT ARE LOCATED ON OR ALONG THE APPALACHIAN TRAIL, WHICH IS A CONTINUOUS FOOTPATH ABOUT 2,000 MILES LONG THAT FOLLOWS THE APPALACHIAN MOUNTAIN CHAIN FROM MAINE TO GEORGIA. THE APPALACHIAN TRAIL STUDY GROUP HAS STUDIED FOUR AREAS OF THE TRAIL (MICHAUX STATE FOREST, LUMBERLAND VALLEY, SAINT ANTHONY'S WILDERNESS, AND KITTATINNY MOUNTAIN) AND HAS ATTEMPTED TO PROVIDE A WORKABLE TRAIL PROTECTION STRATEGY FOR USE BY LOCAL PLANNERS AND OTHERS CONCERNED WITH PROTECTING THE TRAIL. IN STUDYING THE FOUR AREAS, THE STUDY GROUP EXAMINED THE SITE, ALTERNATIVE ROUTES, SOILS, GEOLOGY, VEGETATION, WILDLIFE, AND THE AMENITIES OF THE AREA. THE STRATEGY DEvised CONSISTS OF FIVE STEPS FROM THE PRE-DEVELOPMENT PLANNING OF LAND USE TO BETTER DESIGN SOLUTIONS FOR THOSE SEGMENTS PASSING THROUGH VARIOUS LAND DEVELOPMENTS. EMPHASIZING PHYSICAL DESIGN SOLUTIONS, THIS GUIDE RECOMMENDS CORRIDOR WIDTHS FOR VARIOUS LANDFORM VEGETATION AND LAND USE SITUATIONS; SUGGESTS POSSIBLE DESIGN SOLUTIONS TO SPECIFIC PROBLEMS THAT MAY ARISE; DESCRIBES VARIOUS LEGAL AND PLANNING DEVICES THAT MAY BE USED AS PART OF A FUTURE OVERALL TRAIL PROTECTION STRATEGY; AND DISCUSSES THE ROLE OF THE FEDERAL, STATE, AND LOCAL GOVERNMENTS. A MAP SHOWING THE LAND OWNERSHIP AND AREAS WITH A HIGH POTENTIAL FOR ACCESS IS INCLUDED. (NO)

AN - ED135646  
 CHAN - SE022472  
 TI - YCC PROGRAM HANDBOOK. REVISED EDITION.  
 OS - DEPARTMENT OF THE INTERIOR, WASHINGTON, D.C.  
 PD - JAN 76  
 NO - 94P.; CONTAINS OCCASIONAL SMALL TYPE ; HANDBOOK COVERING  
 ORGANIZATION OF A YOUTH CONSERVATION CORPS CAMP  
 IS - R1E77OCT  
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE.  
 DT - G  
 IT - \*ADMINISTRATIVE POLICY; \*CONSERVATION EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; OUTDOOR EDUCATION  
 IT - \*PROGRAM DESCRIPTIONS; \*PROGRAM GUIDES; SCIENCE EDUCATION  
 IT - \*SECONDARY EDUCATION  
 ST - \*YOUTH CONSERVATION CORPS  
 AB - THIS PROGRAM HANDBOOK WAS WRITTEN FOR THE PURPOSE OF CARRYING OUT  
 THE PROVISIONS OF PUBLIC LAW 93-408. THIS ACT WAS PASSED TO  
 ESTABLISH THE YOUTH CONSERVATION CORPS (YCC). THE BOOKLET IS  
 DIVIDED INTO NINE CHAPTERS OUTLINING THE ORGANIZATION OF A YCC  
 CAMP. THE CHAPTERS COVER THE BACKGROUND OF THE YCC, THE  
 ORGANIZATION AND MANAGEMENT OF THE YCC CAMP, RECORD KEEPING,  
 ENROLLEE LIVING, ENVIRONMENTAL AWARENESS AND WORK, COMMUNITY  
 RELATIONS, THE YCC HEALTH PROGRAM, SAFETY MANAGEMENT, AND THE YCC  
 STATE GRANT PROGRAM. EACH CHAPTER OUTLINES GOVERNMENT POLICY,  
 RESPONSIBILITIES, AND REGULATIONS CONCERNING THE DIFFERENT  
 ASPECTS OF THE YOUTH CONSERVATION CORPS CENTERS. (AJ)

AN - ED139647  
 CHAN - SE022478  
 TI - PENNSYLVANIA PROGRAMS/ACTIVITIES IN ENVIRONMENTAL EDUCATION.  
 AU - SCHWILLE, ROBERT W.; DUGAN, DOROTHY E.  
 OS - PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG.  
 PD - JAN. 77  
 NO - 19P.; CONTAINS OCCASIONAL LIGHT AND BROKEN TYPE  
 IS - RIE77OCT  
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.  
 DT - D  
 IT - CURRICULUM; \*DIRECTORIES; \*ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; \*HIGHER EDUCATION; NATURAL RESOURCES  
 IT - NATURE CENTERS; OUTDOOR EDUCATION; \*PROGRAM DESCRIPTIONS  
 IT - \*SCIENCE EDUCATION  
 ST - \*PENNSYLVANIA  
 AB - THIS LIST OF ENVIRONMENTAL EDUCATION PROGRAMS WAS COMPILED TO ASSIST PENNSYLVANIA SCHOOL ADMINISTRATORS IN THE DEVELOPMENT OF THEIR K-12 ENVIRONMENTAL PROGRAMS. THE PUBLICATION IS A DIRECTORY OF SCHOOL DISTRICT PROGRAMS AND COLLEGE AND UNIVERSITY PROGRAMS. THE LIST ALSO INCLUDES PROGRAMS OFFERED BY FOUR ENVIRONMENTAL OR NATURE LEARNING CENTERS IN THE STATE. EACH PROGRAM IS BRIEFLY DESCRIBED AND THE NAMES AND ADDRESSES OF EACH OF THE DIRECTORS IS LISTED. (AJ)

AN - ED139671  
 CHAN - SE022615  
 TI - AN ENVIRONMENTAL SYLLABUS: GRADES 10, 11, 12.  
 AU - JAMASON, BARRY W.  
 OS - NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF GENERAL  
 EDUCATION CURRICULUM DEVELOPMENT.  
 PD - 77  
 NO - 470P.  
 IS - RIE77OCT  
 PR - EDRS PRICE MF-\$0.83 HC-\$24.77 PLUS POSTAGE.  
 DT - C  
 IT - CONSERVATION EDUCATION; CURRICULUM; \*CURRICULUM GUIDES  
 IT - \*ENVIRONMENTAL EDUCATION; LEARNING ACTIVITIES; NATURAL RESOURCES  
 IT - OUTDOOR EDUCATION; POLLUTION; \*SECONDARY GRADES  
 IT - STATE CURRICULUM GUIDES; \*TEACHING GUIDES; UNITS OF STUDY  
 AB - THIS SYLLABUS IS INTENDED AS A MULTI-PURPOSE SYLLABUS FOR  
 ENVIRONMENTAL STUDIES IN THE SENIOR HIGH SCHOOL. SOME UNITS, OR  
 PARTS OF UNITS, ARE APPROPRIATE FOR USE IN THE JUNIOR HIGH  
 SCHOOL. THE UNITS IN THIS SYLLABUS ARE: (1) THE ENVIRONMENTAL  
 STATUS QUO; (2) NATURAL ENVIRONMENTS; (3) FOOD AND PEOPLE; (4)  
 POPULATION DYNAMICS; (5) ENERGY, PART I AND II; (6) LAND USE AND  
 MANAGEMENT; (7) TRANSPORTATION; (8) POLLUTION; (9) ENVIRONMENTAL  
 HEALTH; (10) CONSUMER "ENVIRONMENTICS"; (11) GLOBAL RESOURCE  
 MANAGEMENT; (12) GOVERNMENT, POLITICS, AND THE ENVIRONMENT; (13)  
 THE ENVIRONMENT AND CAREERS; AND (14) SUMMARY. EACH UNIT CONTAINS  
 AN INTRODUCTORY OR BACKGROUND STATEMENT AND NUMEROUS GENERAL  
 UNDERSTANDINGS THAT SHOULD BE DEVELOPED BY THE CONCLUSION OF THE  
 UNIT. THE MAIN PORTION OF EACH UNIT CONSISTS OF PROCEDURES TO BE  
 EMPLOYED BY THE TEACHER. MANY OF THESE PROCEDURES ARE MATCHED  
 WITH ONE OR MORE PERFORMANCE INDICATORS TO BE USED AS GUIDES IN  
 OBSERVING AND EVALUATING STUDENT ACHIEVEMENT. AT THE END OF EACH  
 UNIT IS A LIST OF RESOURCE MATERIALS. (AUTHOR/AJ)

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.  
 PD - 77  
 NO - 148P.; PH.D. DISSERTATION, MICHIGAN STATE UNIVERSITY ; TABLES MAY BE MARGINALLY LEGIBLE DUE TO SMALL TYPE  
 IS - RI E770C7  
 PR - EDRS PRICE MF-\$0.83 HC-\$7.35 PLUS POSTAGE.  
 DT - T  
 IT - \*COMPARATIVE ANALYSIS; \*CONSERVATION EDUCATION; DOCTORAL THESES  
 IT - ECOLOGY; \*EDUCATIONAL OBJECTIVES; EDUCATIONAL RESEARCH  
 IT - \*ENVIRONMENTAL EDUCATION; \*GENERAL EDUCATION; MODELS  
 IT - \*OUTDOOR EDUCATION  
 AB - INVESTIGATED WAS THE RELATIONSHIP OF ENVIRONMENTAL EDUCATION TO ECOLOGICAL EDUCATION, OUTDOOR EDUCATION, CONSERVATION EDUCATION, ENVIRONMENTALIZED EDUCATION, AND GENERAL EDUCATION. GOALS SELECTED FROM THE LITERATURE WERE ANALYZED TO OBTAIN 60 GOALS REPRESENTING EACH OF THE 6 AREAS. USING A Q-SORT PROCEDURE, 65 SELECTED INDIVIDUALS, REPRESENTING THE 6 AREAS, RANK-ORDERED THE GOAL STATEMENTS. THE RESULTING SCORES WERE ANALYZED USING MULTIVARIATE ANALYSIS OF VARIANCE AND ONE-WAY ANALYSIS OF VARIANCE FOLLOWED BY SCHEFFE'S TEST. THE RESULTS SHOW THAT GOALS DESCRIBING MAN'S RELATIONSHIP TO AND UTILIZATION OF THE ENVIRONMENT WERE RANKED HIGH BY ALL GROUPS. GOALS DESCRIBING SPECIFIC SUBJECTS SUCH AS HEALTH, POPULATION GROWTH, AND OUTDOOR SCIENCE WERE RANKED LOW BY MOST GROUPS. PERSONAL DATA, EDUCATION, AND OCCUPATION RELATED TO THE RANKINGS OF THE ENVIRONMENTAL EDUCATION AND ENVIRONMENTALIZED EDUCATION CATEGORIES. A MODEL DEVELOPED TO ILLUSTRATE THE RELATIONSHIP BETWEEN THE 6 GROUPS IS PRESENTED. THE MODEL SHOWS ENVIRONMENTAL EDUCATION OVERLAPPING THE 5 OTHER AREAS, WITH STRONG OVERLAPS WITH CONSERVATION EDUCATION AND ENVIRONMENTALIZED EDUCATION. (BT)

SECTION II. CITATIONS FROM CURRENT INDEX TO JOURNALS IN EDUCATION

## Key to Citations

- AN - Accession number - identification number sequentially assigned to documents and/or journal articles as they are processed
- CHAN - Clearinghouse Accession Number
- TI - Title
- AU - Authors
- OS - Organizational Source
- SO - Source (as from a journal)
- PD - Publication Date
- NO - Number of Pages and Notes
- IS - Issue of RIE or CIJE in which citation appears
- PR - EDRS Price
- AV - Alternate Availability
- SPO - Sponsoring Organization
- CG - NIE or USOE Contract/grant number under which research was done
- BN - Bureau Number (report number given by originator)
- DT - Document Type
- IT - Index Terms - descriptors which characterize content
- 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 - EJ151650
- CHAN - SE508325
- TI - INSTRUCTIONAL IMPLICATIONS OF THE OUTWARD BOUND PROGRAM
- AU - OOLE, CHARGES C., JR.
- SO - LIBERAL EDUCATION; 42; 4; 608-19
- PD - DEC 76
- IS - CIJE77
- IT - \*INSTRUCTIONAL IMPROVEMENT; \*PERSONAL GROWTH
- IT - \*TEACHER IMPROVEMENT; \*INSTRUCTIONAL INNOVATION
- IT - ELEMENTARY EDUCATION; SECONDARY EDUCATION; TEACHING METHODS
- IT - SELF ACTUALIZATION
- ST - \*OUTWARD BOUND PROGRAM
- AB - CHANGES ARE TAKING PLACE IN TEACHING TECHNIQUES AS A RESULT OF THE SUCCESS OF THE OUTWARD BOUND PROGRAM. FROM ELEMENTARY SCHOOLS TO COLLEGES, INSTRUCTORS AND ADMINISTRATORS ARE INTRODUCING ASPECTS OF THE OUTWARD BOUND APPROACH, WHICH ENCOURAGES THE INDIVIDUAL TO DISCOVER HIS OR HER INNER RESOURCES, STRENGTHS, AND LIMITATIONS. (AUTHOR/LBH)



AN - FJ1435E2  
 CHAN - SE517C14  
 TI - NATURE CENTERS, ENVIRONMENTAL ATTITUDES, AND OBJECTIVES  
 AU - HOLTZ, ROBERT  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 3; 34-37  
 PD - 76  
 IS - CIJE77  
 IT - \*ATTITUDES; \*ENVIRONMENTAL EDUCATION; \*ENVIRONMENTAL RESEARCH  
 IT - \*NATURE CENTERS; \*OBJECTIVES; ELEMENTARY GRADES; ENVIRONMENT  
 IT - OUTDOOR EDUCATION; QUESTIONNAIRES; SURVEYS  
 AB - PRESENTED ARE THE FINDINGS OF QUESTIONNAIRES MAILED TO THE  
 DIRECTORS OF 160 NATURE CENTERS WHICH PROVIDED ENVIRONMENTAL  
 EDUCATION PROGRAMS FOR ELEMENTARY SCHOOL CHILDREN IN THIRTY-FOUR  
 STATES. THE FIGURES INDICATE THAT SPECIFIC ENVIRONMENTAL ATTITUDE  
 OBJECTIVES NEED TO BE DEVELOPED BY THE STAFFS OF THESE CENTERS.  
 (RT)

AN - EJ14365E  
 CHAN - SE517148  
 TI - CURRICULUM DEVELOPMENT FOR OUTDOOR LEARNING  
 AU - CORCORAN, ELLEN  
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 4; 55-61  
 PD - 76  
 IS - CIJE77  
 IT - \*CURRICULUM DEVELOPMENT; \*INSERVICE TEACHER EDUCATION  
 IT - \*OUTDOOR EDUCATION; \*PRESERVICE EDUCATION  
 IT - ENVIRONMENTAL EDUCATION; TEACHER EDUCATION; TEACHER WORKSHOPS  
 AB - OUTLINED IS A MODEL TEACHER EDUCATION CURRICULUM DEVELOPMENT  
 PROCESS TO HELP PARTICIPANTS FORMULATE THEIR OWN OUTDOOR LEARNING  
 CURRICULUM. SMALL-GROUP WORKSHOPS, FILMS, BOOK DISCUSSIONS, AND  
 OUT-OF-CLASS WRITING HELP PARTICIPANTS DEVELOP CURRICULA  
 CORRESPONDING TO THEIR NEEDS, INTERESTS, AND SKILLS. SAMPLE  
 ASSIGNMENTS AND GUIDELINES ARE PRESENTED. (AUTHOR/MR)

AN - EJ144148  
 CHAN- AA523359  
 TI - LEARNING ON THE ROCKS  
 AU - EDER, SID  
 SO - AMERICAN EDUCATION; 12; 3; 16-21  
 PD - APR 76  
 IS - CIJE77  
 IT - \*LEARNING EXPERIENCE; \*SUMMER PROGRAMS; \*TEACHER INTERNS  
 IT - \*TEACHER ATTITUDES; \*PROGRAM DESCRIPTIONS; LEARNING ACTIVITIES  
 IT - STUDENT TEACHER RELATIONSHIPS; EMOTIONAL EXPERIENCE  
 IT - OUTDOOR EDUCATION; LEADERSHIP STYLES  
 AB - IN A SUMMER PROGRAM IN NEW HAMPSHIRE'S WHITE MOUNTAINS, TEACHERS AND INTERNS COME TO KNOW FIRST-HAND THE FEARS THAT STRIKE AT UNSUCCESSFUL STUDENTS. (EDITOR)

AN - EJ145438  
 CHAN- SF517434  
 TI - CAMP MATHEMATICS  
 AU - LANG, GORDON  
 SO - AUSTRALIAN MATHEMATICS TEACHER; 32; 1; 9-15  
 PD - FEB 76  
 IS - CIJE77  
 IT - \*EDUCATIONAL ALTERNATIVES; \*ELEMENTARY SCHOOL MATHEMATICS  
 IT - \*INSTRUCTION; \*MATHEMATICS EDUCATION; ACTIVITY LEARNING; CAMPING  
 IT - ELEMENTARY SECONDARY EDUCATION; OUTDOOR EDUCATION  
 IT - SECONDARY SCHOOL MATHEMATICS  
 AB - THE RATIONALE FOR USING A CAMPING SITUATION IN WHICH CHILDREN LEARN AND DO MATHEMATICS IS DISCUSSED. (DT)



AN - EJ145453  
 CHAN - SE517451  
 TT - A CAMPING AND OUTDOOR EDUCATION PROGRAMME  
 AU - MARTIN, R.  
 SO - SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 762; 27-31  
 PD - JUL 76  
 IS - CIJE77  
 IT - \*CAMPING; \*ELEMENTARY EDUCATION; \*INSTRUCTION; \*OUTDOOR EDUCATION  
 IT - ELEMENTARY SCHOOL SCIENCE; ELEMENTARY SECONDARY EDUCATION  
 IT - RECREATIONAL ACTIVITIES; SCIENCE EDUCATION  
 IT - SECONDARY SCHOOL SCIENCE  
 AB - OUTLINES A PROGRAM OF OUTDOOR EDUCATION AND CAMPING FOR GRADES 3 THROUGH 7. STRESSED ARE (1) TEACHING THE STUDENT TO FEND FOR THEMSELVES IN CAMPING SITUATIONS AND (2) ENVIRONMENTAL AWARENESS. INCLUDED ARE TERM BY TERM OUTLINES AND A LISTING OF RELATED ACTIVITIES AND SUBJECTS INCORPORATED INTO THE OUTDOOR EDUCATION PROGRAM. (SL)

AN - EJ145454  
 CHAN - SE517452  
 TT - PRESERVICE PREPARATION FOR OUTDOOR EDUCATION  
 SO - SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 762; 57-63  
 PD - JUL 76  
 IS - CIJE77  
 IT - \*HIGHER EDUCATION; \*INSTRUCTION; \*OUTDOOR EDUCATION  
 IT - \*PROGRAM DESCRIPTIONS; \*TEACHER EDUCATION; COLLEGE SCIENCE  
 IT - METHODS COURSES; PRESERVICE EDUCATION; SCIENCE EDUCATION  
 IT - TEACHER EDUCATION CURRICULUM  
 ST - \*AUSTRALIA  
 AB - OUTLINES THE FORMAL AND INFORMAL PRESERVICE PROGRAMS FOR OUTDOOR EDUCATION OFFERED AT EIGHT SOUTH AUSTRALIAN COLLEGES. (SL)

AN - EJ147C92  
 CHAN- SE517355  
 TI - ENRICH YOUR OUTDOOR PROGRAM WITH OBIS  
 AU DELUCCHI, LINDA  
 SC - NATURE STUDY; 30; 2; 9-10  
 PD - 76  
 IS - CIJE77  
 IT - \*ECOLOGY; \*ENVIRONMENTAL EDUCATION; \*INSTRUCTIONAL MATERIALS  
 IT - \*LEARNING ACTIVITIES; \*OUTDOOR EDUCATION; ELEMENTARY GRADES  
 IT - ENVIRONMENT; NATURAL RESOURCES; SECONDARY GRADES  
 ST - \*OUTDOOR BIOLOGY INSTRUCTIONAL ST

AN - EJ147554  
 CHAN- AA523642  
 TI - IN THE FOOTSTEPS OF THE PILGRIMS  
 AU - LEVENSON, DOROTHY  
 SO - TEACHER; 93; 8; 56-9  
 PD - APR 76  
 IS - CIJE77  
 IT - \*STUDENT EXPERIENCE; \*LEARNING EXPERIENCE  
 IT - \*ENVIRONMENTAL EDUCATION; \*OUTDOOR EDUCATION  
 IT - \*PROGRAM DESCRIPTIONS; PHOTOGRAPHS  
 ST - \*CAPE COD NATIONAL SEASHORE  
 AB - CAFF COD YESTERCAY AND TODAY--STUDENTS SEE IT AS PART OF A  
 NATIONAL PARK SERVICE PROGRAM. (EDITS)

AN - EJ147654  
 CHAN- CE5C5553  
 TI - CONSERVATION STUDIES DOWN ON THE SCHOOL FARM  
 AU - STUMP, NED  
 SO - AMERICAN VOCATIONAL JOURNAL; 51; 8; 66,68-69  
 PD - NOV 76  
 IS - CIJE77  
 IT - \*HIGH SCHOOL CURRICULUM; \*CONSERVATION EDUCATION  
 IT - \*NATURAL RESOURCES; \*VOCATIONAL AGRICULTURE  
 IT - AGRICULTURAL EDUCATION; OUTDOOR EDUCATION; NATURE CENTERS; TRAILS  
 IT - SECONDARY EDUCATION  
 ST - YOUTH ORGANIZATIONS  
 AB - DESCRIBES HANDS-ON ACTIVITIES CONNECTED WITH A 4-SEMESTER  
 CURRICULUM THAT ENABLES STUDENTS TO COMPLETE A MAJOR IN NATURAL  
 RESOURCES AT PRAIRIE HEIGHTS COMMUNITY JUNIOR-SENIOR HIGH SCHOOL,  
 INDIANA. (EDITOR/HD)

AN - EJ148736  
 CHAN- SE517520  
 TI - WILD FOODS--AN AVENUE TO ENVIRONMENTAL RESPONSIBILITY  
 AU - CURRY, DUDLEY; WILLIAMS, ROBERT  
 SO - SCHOOL SCIENCE AND MATHEMATICS; 76; 6; 508-510  
 PD - OCT 76  
 IS - CIJE77  
 IT - \*CONSERVATION (ENVIRONMENT); \*ENVIRONMENTAL EDUCATION  
 IT - \*FOODS INSTRUCTION; \*INSTRUCTION; \*OUTDOOR EDUCATION  
 IT - \*SENIOR CITIZENS; BOTANY; ELEMENTARY SECONDARY EDUCATION  
 IT - ELEMENTARY SCHOOL SCIENCE; NATURAL RESOURCES  
 IT - SECONDARY SCHOOL SCIENCE  
 AB - PROPOSES THE STUDY OF EDIBLE WILD PLANTS AS A MEANS OF DEVELOPING  
 AN ATTITUDE OF ENVIRONMENTAL RESPONSIBILITY IN STUDENTS. SENIOR  
 CITIZENS CAN PROVIDE CONSIDERABLE ASSISTANCE FOR SUCH A PROGRAM.  
 (SL)

AN - EJ14938C  
 CHAN - AA523844  
 TI - STRATEGIES: READING, MATHEMATICS, SOCIAL STUDIES, SCIENCE  
 AU - INCRISANC, RCSELMINA  
 SO - INSTRUCTOR; 85; 9; 59-70  
 PD - MAY/JUN 76  
 IS - CIJE77  
 IT - \*READING CLINICS; \*READING INSTRUCTION; \*SOCIAL STUDIES  
 IT - \*STUDENT PROJECTS; \*OUTDOOR EDUCATION; ELEMENTARY SCHOOL STUDENTS  
 IT - ENVIRONMENTAL EDUCATION; MATHEMATICS INSTRUCTION

AN - EJ149702  
 CHAN - AA524272  
 TI - CONCEPT-CONTENT, PROCESS PRODUCTS: A NATURAL SOLUTION  
 AU - ERNST, COROTHY  
 SO - SCHOOL ARTS; 75; 10; 36-8  
 PD - JUN 76  
 IS - CIJE77  
 IT - \*ART EDUCATION; \*ART MATERIALS; \*ELEMENTARY SCHOOL STUDENTS  
 IT - \*OUTDOOR EDUCATION; \*STUDENT PARTICIPATION; PHOTOGRAPHS  
 IT - CONCEPT FORMATION; PROGRAM DESCRIPTIONS; DESIGN PREFERENCES  
 AB - STUDENTS MUST BE GIVEN A COGNITIVE BASE AND HAVE A CERTAIN DEGREE OF FAMILIARITY WITH A DESIGN ELEMENT IN ORDER TO COPE WITH MATERIALS DURING THE CREATIVE PROCESS. DURING A RECENT OUTDOOR EDUCATION EXPERIENCE, ART TEACHERS FOUND SUCH CONCERNS WERE MINIMIZED IN TERMS OF AN ART PROGRAM. (AUTHOR/RK)

AN - EJ149735  
 CHAN- AA524305  
 TI - EARLY EDUCATION GUIDE  
 AU - WEINBERGER, PAULA; BLUE, ROSE  
 SC - TEACHER; 93: 9; 73-7  
 PD - MAY/JUN 76  
 IS - CIJE77  
 IT - \*EARLY CHILDHOOD EDUCATION; \*STUDENT EVALUATION  
 IT - \*TEACHER ATTITUDES; \*DIAGNOSTIC TEACHING; \*OUTDOOR EDUCATION  
 IT - PARENT STUDENT RELATIONSHIP; STUDENT DEVELOPMENT  
 AB - A WEEK-BY-WEEK READINESS PROGRAM FOR PRESCHOOL AND EARLY PRIMARY CHILDREN. (EDITJR)

AN - EJ150158  
 CHAN- EA507823  
 TI - SCIENCE AND SOCIALIZATION OUT-OF-DOORS  
 AU - DAWSON, PAUL DOW  
 SD - NATIONAL ELEMENTARY PRINCIPAL; 56: 2; 47-49  
 PD - NOV/DEC 76  
 IS - CIJE77  
 IT - \*SOCIALIZATION; \*SCIENCE EDUCATION; \*OUTDOOR EDUCATION  
 IT - \*GROUP EXPERIENCE; ELEMENTARY EDUCATION; JUNIOR HIGH SCHOOLS  
 ST - \*DCHERTY SCHOOL

AN - EJ150634  
 CHAN- SE517755  
 TI - THE WILDLIFE IN YOUR LIFE  
 AU - DENNIS, JOHN V.  
 SO - DEFENDERS OF WILDLIFE NEWS; 51; 5; 313-320  
 PD - OCT 76  
 IS - CIJE77  
 IT - \*ENVIRONMENT; \*OUTDOOR EDUCATION; \*WILDLIFE MANAGEMENT; BIOLOGY  
 IT - CONSERVATION (ENVIRONMENT); ENVIRONMENTAL EDUCATION  
 ST - ORNITHOLOGY; WILDLIFE  
 AB - IN THIS EDUCATIONAL SUPPLEMENT, THE REQUIREMENTS FOR SUCCESSFULLY  
 LURING BIRDS, MAMMALS AND OTHER WILDLIFE TO THE HOME ARE  
 PRESENTED. INFORMATION CONCERNING APPROPRIATE FEEDING STATIONS,  
 TYPE OF FEED, WATER SUPPLY, BENEFICIAL PLANTS AND ADEQUATE  
 SHELTER IS DETAILED. (BT)

AN - EJ150706  
 CHAN- SE517966  
 TI - STATICS OUTDOORS  
 AU - MADISON, JOHN F.; AND OTHERS  
 SO - SCIENCE AND CHILDREN; 14; 3; 15-17  
 PD - NOV-DEC 76  
 IS - CIJF77  
 IT - \*ELEMENTARY SCHOOL SCIENCE; \*ENVIRONMENTAL EDUCATION  
 IT - \*LEARNING ACTIVITIES; \*OUTDOOR EDUCATION; \*SCIENCE ACTIVITIES  
 IT - ACTIVITIES; ELEMENTARY SECONDARY EDUCATION; ENVIRONMENT  
 IT - SCIENCE EDUCATION  
 ST - SCIENCE LEARNING CENTERS  
 AB - DESCRIBED IS A PROGRAM OF OUTDOOR EDUCATION UTILIZING  
 ACTIVITY-ORIENTED LEARNING STATICS. DESCRIBED ARE 13 ACTIVITIES  
 INCLUDING: A POND STUDY, ORIENTEERING, NATURE CRAFTS, OUTDOOR  
 MATHEMATICS, LINEAR DISTANCE MEASUREMENT, AND AREA MEASUREMENT.  
 (SI)



AN - EJ150707  
 CHAN - SE517967  
 TI - ENERGY FOR TODAY AND TOMORROW WITH ENERGY EAGLE  
 AU - MESSER, MELANIE E.  
 SO - SCIENCE AND CHILDREN; 14; 3; 18-19,28  
 PD - NOV-DEC 76  
 IS - CIJE77  
 IT - \*ELEMENTARY SCHOOL SCIENCE; \*ENERGY; \*ENVIRONMENTAL EDUCATION  
 IT - \*FIELD TRIPS; \*GAMES; ELEMENTARY SECONDARY EDUCATION; ENVIRONMENT  
 IT - OUTDOOR EDUCATION; SCIENCE EDUCATION; SCIENCE ACTIVITIES  
 AB - DESCRIBED IS AN ENERGY AWARENESS MODULE UTILIZED, IN THE SAN  
 DIEGO (CALIFORNIA) COUNTY SCHOOLS, TO MAKE STUDENTS MORE AWARE OF  
 ENERGY USE IN THE LOCAL COMMUNITY. ACTIVITIES INCLUDE AN ENERGY  
 GAME AND ENERGY WALKS IN THE SCHOOL AND IN THE COMMUNITY. (SL)

AN - EJ151444  
 CHAN - EC09047E  
 TI - CONFRONTATION OF SELF THROUGH OUTDOOR CHALLENGE: PENNSYLVANIA'S  
 OUTDOOR EXPERIENCE FOR JUVENILE OFFENDERS  
 AU - BROWN, WALN K.; SIMPSON, BENJAMIN F., JR.  
 SO - BEHAVIORAL DISORDERS; 2; 1; 41-8  
 PD - AUG 76  
 IS - CIJE77  
 IT - \*DELINQUENCY; \*PROGRAM DESCRIPTIONS; \*OUTDOOR EDUCATION  
 IT - \*GROUP EXPERIENCE; EMOTIONALLY DISTURBED; SECONDARY EDUCATION  
 IT - CAMPING  
 ST - \*GROUP AND INDIVIDUAL GROWTH PROJ; PENNSYLVANIA  
 AB - AVAILABLE FROM: EC 090 474.

AN - EJ15165C  
 CHAN- HE508325  
 TI - INSTRUCTIONAL IMPLICATIONS OF THE OUTWARD BOUND PROGRAM  
 AU - CCLE, CHARLES C., JR.  
 SO - LIBERAL EDUCATION; 42; 4; 608-19  
 PD - DEC 76  
 IS - CIJE77  
 IT - \*INSTRUCTIONAL IMPROVEMENT; \*PERSONAL GROWTH  
 IT - \*TEACHER IMPROVEMENT; \*INSTRUCTIONAL INNOVATION  
 IT - \*OUTDOOR EDUCATION; \*INTERPERSONAL RELATIONSHIP; HIGHER EDUCATION  
 IT - ELEMENTARY EDUCATION; SECONDARY EDUCATION; TEACHING METHODS  
 IT - SELF ACTUALIZATION  
 ST - \*OUTWARD BOUND PROGRAM  
 AB - CHANGES ARE TAKING PLACE IN TEACHING TECHNIQUES AS A RESULT OF THE SUCCESS OF THE OUTWARD BOUND PROGRAM. FROM ELEMENTARY SCHOOLS TO COLLEGES, INSTRUCTORS AND ADMINISTRATORS ARE INTRODUCING ASPECTS OF THE OUTWARD BOUND APPROACH, WHICH ENCOURAGES THE INDIVIDUAL TO DISCOVER HIS OR HER INNER RESOURCES, STRENGTHS, AND LIMITATIONS. (AUTHOR/LBH)

AN - EJ151846  
 CHAN- SE517397  
 TI - BROOKLYN AND THE SEA: "EXPLORE THE BEACH"  
 AU - ELARDI, JAMES; ASSO, WARREN E.  
 SO - JOURNAL OF MARINE EDUCATION; 10-12  
 PD - 76  
 IS - CIJE77  
 IT - \*DISADVANTAGED YOUTH; \*ELEMENTARY SECONDARY EDUCATION  
 IT - \*ENVIRONMENTAL EDUCATION; \*OCEANOLOGY; \*PROGRAM DESCRIPTIONS  
 IT - \*URBAN EDUCATION; EDUCATIONAL PROGRAMS; ENVIRONMENT  
 IT - OUTDOOR EDUCATION  
 ST - \*MARINE SCIENCE CURRICULUM; EXPLORE THE BEACH PROGRAM  
 AB - THE "EXPLORE THE BEACH" PROGRAM, WHICH PROVIDES INNER-CITY CHILDREN FROM DAY-CARE CENTERS AND DAY CAMPS IN NEW YORK CITY THE OPPORTUNITY TO OBSERVE THE MARINE ENVIRONMENT, IS DESCRIBED. A DESCRIPTION OF THE MARINE SCIENCE CURRICULUM AT JOHN DEWEY HIGH SCHOOL IS PRESENTED. (BT)

AN - EJ152056  
 CHAN - SE518052  
 TI - FORAGING EXPERIENCES WITH CHILDREN  
 AU - RUSSELL, HELEN ROSS  
 SO - NATURE STUDY; 30; 3; 8-10  
 PD - 76  
 IS - CIJE77  
 IT - \*ELEMENTARY SECONDARY EDUCATION; \*ENVIRONMENTAL EDUCATION; \*FOOD  
 IT - \*INSTRUCTIONAL MATERIALS; \*OUTDOOR EDUCATION; \*URBAN EDUCATION  
 IT - ENVIRONMENT; PLANT IDENTIFICATION  
 AB - PROVIDED ARE FORAGING EXPERIENCES AND WILD FOODS INFORMATION FOR  
 UTILIZATION IN THE URBAN SCHOOL CURRICULUM. FOOD USES ARE  
 DETAILED FOR ROSES, DANDELIONS, WILD ONIONS, ACORNS, CATTAILS,  
 VIOLETS AND MINTS. (BT)

AN - EJ152212  
 CHAN - SE518251  
 TI - FIELD STUDIES FROM A ROOFTOP: MONITORING AUTUMN HAWK MIGRATION  
 AU - LEE, DAVID S.  
 SO - AMERICAN BIOLOGY TEACHER; 39; 1; 17-20  
 PD - JAN 77  
 IS - CIJE77  
 IT - \*BIOLOGY; \*BIOLOGICAL SCIENCES; \*ELEMENTARY SCHOOL SCIENCE  
 IT - \*INSTRUCTION; \*SCIENCE ACTIVITIES; \*SECONDARY SCHOOL SCIENCE  
 IT - ELEMENTARY SECONDARY EDUCATION; FIELD INSTRUCTION  
 IT - OUTDOOR EDUCATION; SCIENCE EDUCATION  
 AB - DESCRIBED ARE SCIENCE ACTIVITIES FOR MONITORING BIRD MIGRATIONS.  
 (SL)

AN - EJ152163  
 CHAN - CE5059C4  
 TI - MANAGEMENT OF STUDENT PRACTICE IN THE OUTDOOR LABORATORY  
 AU - HANNON, MAURICE J.  
 SO - AGRICULTURAL EDUCATION; 49; 6; 127  
 PD - DEC 76  
 IS - CIJE77  
 IT - \*CLASS MANAGEMENT; \*LABORATORY TECHNIQUES; \*OUTDOOR EDUCATION  
 IT - VOCATIONAL EDUCATION; SECNCARY EDUCATION; AGRICULTURAL EDUCATION  
 IT - TRAINING LABORATORIES; TEACHING TECHNIQUES  
 AB - FIVE KEYS OR PROCECURES FOR CONDUCTING AN OUTDOOR LABORATORY  
 WHICH SHOULD LEAD TO A WELL CONTROLLED AND INFCKMATIVE EXPERIENCE  
 FOR ALL STUDENTS. (HD)

AN - EJ154238  
 CHAN - SE518565  
 TT - SNOWSHCEING: INVITATION TO THE OUTDOORS  
 AU - PERMUT, SUSAN  
 SO - SCIENCE AND CHILDREN; 14; 5; 17-19  
 PD - FEB 77  
 IS - CIJE77  
 IT - \*ELEMENTARY SCHOOL SCIENCE; \*ENVIRONMENTAL EDUCATION  
 IT - \*INSTRUCTIONAL MATERIALS; \*OUTDOOR EDUCATION  
 IT - \*PHYSICAL ACTIVITIES; \*SCIENCE ACTIVITIES; ELEMENTARY EDUCATION  
 IT - SCIENCE EDUCATION  
 AB - OUTLINES BRIEF HISTORY OF THE USE OF SNOWSHOES. SUGGESTS AND  
 DESCRIBES ACTIVITIES SUCH AS THE CCNSTRUCTION OF SNOWSHOES,  
 PPROPER USE OF SNCWSHGES, TOPICS FOR DISCLSSICK, AND OUTDOOR  
 LESSONS. (CS)

AN - EJ154239  
 CHAN - SE51E566  
 TI - FUN WITH FOOD WEBS  
 AU - SMITH, KARL C.  
 SO - SCIENCE AND CHILDREN; 14; 5; 22-23  
 PD - FEB 77  
 IS - CIJF77  
 IT - \*SCOLOGY; \*EDUCATIONAL GAMES; \*ELEMENTARY SCHOOL SCIENCE  
 IT - \*ENVIRONMENTAL EDUCATION; \*OUTDOOR EDUCATION; \*SCIENCE ACTIVITIES  
 IT - ELEMENTARY EDUCATION; INSTRUCTIONAL MATERIALS  
 IT - PHYSICAL 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 - EJ155629  
 CHAN - P5E05446  
 TI - DESIGNING A SPECIAL PLAYGROUND  
 AU - GILLET, PAMELA  
 SO - CHILDREN TODAY; 6; 1; 13-17  
 PD - JAN/FEB 77  
 IS - CIJF77  
 IT - \*PLAYGROUNDS; \*EARLY CHILDHOOD EDUCATION; \*HANDICAPPED CHILDREN  
 IT - \*OUTDOOR EDUCATION; \*PHYSICAL DEVELOPMENT  
 IT - EDUCATIONAL ENVIRONMENT; MODELS; SCHOOL ARCHITECTURE  
 IT - EXCEPTIONAL STUDENTS  
 AB - DESCRIBES HOW TEACHERS AND STUDENT ARCHITECTS PLANNED AN  
 INNOVATIVE OUTDOOR LEARNING AREA FOR TRAINABLE MENTALLY  
 HANDICAPPED AND PRESCHOOL MULTIPLY-HANDICAPPED CHILDREN. (BF/JH)

- EJ155665  
 CHAN- RC502297  
 TI - ROCKCLIMBING AND TRANSFER TEACHING  
 AU - EDER, SID  
 SD - COMMUNICATOR; 8; 1; 2-3  
 PC - F-WIN 76  
 IS - CIJE77  
 IT - \*ACTIVITY LEARNING; \*LABORATORY TRAINING; \*OUTDOOR EDUCATION  
 IT - \*PRESERVICE EDUCATION; LEARNING EXPERIENCE; SENSITIVITY TRAINING  
 IT - STRESS VARIABLES  
 ST - \*EXPERIENTIAL LEARNING; ROCKCLIMBING  
 AB - PRESERVICE TEACHER INTERNS LEARNED FROM DIRECT, FIRST-HAND  
 PRACTICAL EXPERIENCES, RATHER THAN JUST FROM THEORETICAL IDEAS,  
 THE KINDS OF FEELINGS A NEW AND STRESSFUL SITUATION MAY ELICIT.  
 (NG)

AN - EJ155688  
 CHAN- RC502300  
 TI - TAPPING THE SUGAR MAPLE--LEARNING AND APPRECIATING  
 AU - MALONE, CHARLES  
 SC - COMMUNICATOR; 8; 1; 22-5  
 PD - F-WIN 76  
 IS - CIJE77  
 IT - \*ACTIVITY LEARNING; \*ENVIRONMENTAL EDUCATION; \*OUTDOOR EDUCATION  
 IT - \*TREES; INTERDISCIPLINARY APPROACH; PLANT IDENTIFICATION  
 I - SKILL DEVELOPMENT  
 AB - THE ARTICLE DISCUSSES HOW TO TAP A MAPLE TREE. TAPPING A MAPLE  
 TREE TO PRODUCE MAPLE SYRUP CAN: (1) LEAD TO BETTER UNDERSTANDING  
 IN MANY SUBJECT AREAS, (2) DEVELOP SKILLS THROUGH PARTICIPATION  
 IN A REWARDING ACTIVITY, AND (3) HELP STUDENTS APPRECIATE THE  
 MANY IMPORTANT ROLES THAT TREES PLAY IN OUR ENVIRONMENT AND DAILY  
 LIVES. (NG)

AN - EJ155690  
 CHAN - RC502302  
 TI - THE MAGIC GARDEN  
 AU - COTHREN, KEVIN  
 SO - COMMUNICATOR; 8; 1; 30-3  
 PD - F-WIN 76  
 IS - CIJE77  
 IT - \*FIELD CROPS; \*HORTICULTURE; \*OUTDOOR EDUCATION; \*PLANTING  
 IT - \*STUDENT PROJECTS; \*URBAN ENVIRONMENT; ENVIRONMENTAL EDUCATION  
 IT - SCIENCE PROJECTS; SPACE UTILIZATION  
 ST - NEW YORK (BROOKLYN)  
 AB - USING THE OUTDOORS, THE GARDEN PROJECT HELPED CHILDREN IN  
 BROOKLYN TO: EXPAND THEIR KNOWLEDGE OF THE EARTH'S PROCESSES,  
 BECOME MORE AWARE OF HOW URBAN PEOPLE RELATE TO THEIR  
 ENVIRONMENT, AND DEVELOP CONCERN FOR THE ENVIRONMENT AND ITS  
 ECOLOGICAL BALANCE. (NQ)

AN - EJ155691  
 CHAN - RC502303  
 TI - THE SEED SCENE: AN OUTDOOR TEACHING TECHNIQUE  
 AU - RILLO, THOMAS J.  
 SO - COMMUNICATOR; 8; 1; 34-40  
 PD - F-WIN 76  
 IS - CIJE77  
 IT - \*BOTANY; \*OUTDOOR EDUCATION; \*PLANT IDENTIFICATION  
 IT - \*SCIENCE ACTIVITIES; \*TEACHING TECHNIQUES  
 IT - ENVIRONMENTAL EDUCATION; HORTICULTURE  
 AB - THE STUDY OF SEEDS AND THEIR DISPERSAL IS AN EXCELLENT WAY TO  
 HELP STUDENTS UNDERSTAND BASIC CONCEPTS WHICH WILL HELP THEM IN  
 THEIR ADULT DECISION-MAKING ACTIVITIES REGARDING ENVIRONMENTAL  
 PROBLEMS. THIS ARTICLE DISCUSSES THE PURPOSE OF SEEDS, ASPECTS OF  
 SEEDS, AND COLLECTING SEEDS. CLASSROOM AND OUTDOOR ACTIVITIES  
 WITH SEEDS ARE LISTED. (NQ)

AN - EJ155652  
 CHAN - RC50230A  
 TI - UTOPOLIS, U.S.A.  
 AU - EVANS, LCUISE  
 SO - COMMUNICATOR; 8; 1; 42-5  
 PD - F-WIN 76  
 IS - CIJE77  
 IT - \*COMMUNITY STUDY; \*INTERDISCIPLINARY APPROACH; \*PLANNED COMMUNITY  
 IT - \*SIMULATION; \*STUDENT PROJECTS; OUTDOOR EDUCATION  
 AB - UTOPOLIS, AN IMAGINARY COMMUNITY, WAS CREATED BY 48 FOURTH,  
 FIFTH, AND SIXTH GRADE STUDENTS. GIVEN ONLY GEOGRAPHICAL  
 BOUNDARIES, THE GROUP CREATED THE TOWN COMPLETE WITH ITS MANY  
 COMPLEX AND INTERRELATED PROBLEMS. (NQ)

AN - EJ155693  
 CHAN - RC502305  
 - OUTDOOR EDUCATION.... AND ....THE ECONOMIC PINCH  
 J - THABET, ROBERT A.  
 SO - COMMUNICATOR; 8; 1; 50-1  
 PD - F-WIN 76  
 IS - CIJE77  
 IT - \*EDUCATIONAL FINANCE; \*OUTDOOR EDUCATION; \*PROGRAM COSTS  
 IT - EDUCATIONAL PHILOSOPHY



AN - EJ155879  
 CHAN- SF518738  
 TI - TERRITORIALITY IN THE RED-WINGED BLACKBIRD  
 AU - NEWHOUSE, CHRIS  
 SO - AMERICAN BIOLOGY TEACHER; 39; 3; 168-170  
 PD - MAR 77  
 IS - CIJE77  
 IT - \*ANIMAL BEHAVIOR; \*BIOLOGY; \*HIGHER EDUCATION; \*OUTDOOR EDUCATION  
 IT - \*SCIENCE ACTIVITIES; \*SECONDARY EDUCATION; COLLEGE SCIENCE  
 IT - INSTRUCTION: SECONDARY SCHOOL SCIENCE  
 ST - CRITHOLOGY  
 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 - EJ156332  
 CHAN- AA525C72  
 TI - OF GRASSFLATS AND SPOIL ISLANDS  
 AU - RICH, JOAN; RICH, LESLIE  
 SO - AMERICAN EDUCATION; 12; 9; 14-8  
 PD - NOV 76  
 IS - CIJE77  
 IT - \*OUTDOOR EDUCATION; \*ENVIRONMENTAL EDUCATION; \*ECOLOGY  
 IT - \*NATURE CENTERS; \*ELEMENTARY SECONDARY EDUCATION  
 IT - SCIENCE CURRICULUM  
 AB - THE HISTORY, CURRICULUM AND OBJECTIVES OF THE ENVIRONMENTAL  
 STUDIES CENTER IN JENSEN BEACH, FLORIDA, ARE DISCUSSED. (RW)

AN - EJ15651  
 CHAN - AA525253  
 TI - NATURE IN THE CLASSROOM: ENVIRONMENTAL EDUCATION ON THE  
 SCHOOLGROUNDS  
 AU - DOYLE, CHARLES  
 SO - NJEA REVIEW; 50; 3; 12, 38  
 PD - NOV 76  
 IS - CIJE77  
 IT - \*PLAYGROUNDS; \*OUTDOOR EDUCATION; \*LEARNING ACTIVITIES  
 IT - \*STUDENT PARTICIPATION; \*SCHOOL ENVIRONMENT; CHARTS  
 AB - GET TO KNOW MORE ABOUT YOUR OWN SCHOOLGROUNDS WITH THESE  
 FIELD-TESTED ACTIVITIES THAT MAY BE ADAPTED TO SUBJECT AND GRADE  
 LEVELS. (EDITOR)

AN - EJ157474  
 CHAN - SE518782  
 TI - A WEED CANTILEVER  
 AU - KELLER, ELHANNAN L.; PACALINO, JOHN  
 SO - SCIENCE ACTIVITIES; 14; 1; 25-26  
 PD - JAN/FEB 77  
 IS - CIJE77  
 IT - \*EDUCATIONAL GAMES; \*ELEMENTARY EDUCATION  
 IT - \*INSTRUCTIONAL MATERIALS; \*OUTDOOR EDUCATION  
 IT - \*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 OUTDOORS, 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 - EJ155423  
 CHAN- SE518518  
 TI - HOW TO DEVELOP AND TEST YOUR OWN CURRICULUM  
 AU - COLLINS, M. A. J.  
 SO - SCIENCE AND CHILDREN; 14; 6; 11-13  
 PD - MAR 77  
 IS - CIJE77  
 IT - \*CURRICULUM DEVELOPMENT; \*CURRICULUM EVALUATION  
 IT - \*ELEMENTARY EDUCATION; \*ENVIRONMENTAL EDUCATION; \*MODELS  
 IT - COURSE DESCRIPTIONS; COURSE OBJECTIVES; ELEMENTARY SCHOOL SCIENCE  
 IT - NATURAL SCIENCES; OUTDOOR EDUCATION; SCIENCE EDUCATION  
 AB - REVISES TABA'S MCOEL IN DEVELOPING A SHORT COURSE, "WINTER ENVIRONMENT," IN ENVIRONMENTAL EDUCATION FOR USE IN ELEMENTARY SCHOOLS. LISTS FIVE COURSE OBJECTIVES AND DESCRIBES EVALUATION INSTRUMENTS TO TEST THE SUCCESS OF EACH OBJECTIVE. SUGGESTS A MODEL FOR CURRICULUM EVALUATION. (CS)

AN - EJ159428  
 CHAN- SE518923  
 TI - BUILDING AN ECOLOGICAL CONSCIENCE  
 AU - KENDALL, DAVID L.  
 SO - SCIENCE AND CHILDREN; 14; 6; 25-27  
 PD - MAR 77  
 IS - CIJE77  
 IT - \*ECOLOGY; \*ELEMENTARY SECONDARY EDUCATION; \*FIELD STUDIES  
 IT - \*INSTRUCTION; \*OUTDOOR EDUCATION; COURSE DESCRIPTIONS  
 IT - JUNIOR HIGH SCHOOL STUDENTS; SCIENCE ACTIVITIES  
 IT - 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 - EJ15956E  
CHAN- SE51927C  
TI - THEY CALL IT ORIENTEERING  
AU - WEXLER, MARK  
SO - NATIONAL WILDLIFE; 15; 4; 13-16  
PD - JUN-JUL 77  
IS - CIJE77  
IT - \*LEISURE TIME; \*OUTDOOR EDUCATION; \*PHYSICAL ACTIVITIES  
IT - \*RECREATION; ATHLETICS; ENVIRONMENT; EXERCISE (PHYSIOLOGY); PARKS  
IT - 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)

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**SECTION IV. LIST OF PREVIOUS BIBLIOGRAPHIES**

## PREVIOUS BIBLIOGRAPHIES

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- 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)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 6 (ED 135 971)

**SECTION V. LIST OF ERIC CLEARINGHOUSES AND THEIR RESPECTIVE SCOPES**



For information about standing order collections nearest you, contact any of the ERIC Clearinghouses listed below. The Clearinghouses contain all the ERIC collection in their respective Clearinghouses; they are not restricted to holdings only in their scope areas.

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