This newsletter lists references to 88 research reports in mathematics education. Of these, 36 were published in United States Office of Education Research Reports over the period 1956-65, 39 in "Research in Education," and 13 in "Pacesetters in Innovation." Titles, pertinent descriptors, and cost of the document in both microfiche and hardcopy are listed. (GR)
The Center is attempting to maintain a listing of current outdoor education programs which include science education activities. If you are responsible for such a program we would appreciate receiving a description of your program and also copies of instructional materials.

Science Education Documents Available through EDRS

A previous issue of the SEIAC Newsletter (Volume 1, Number 4) listed documents related to science education that are available through the ERIC Document Reproduction Service (EDRS). All documents related to science education and available through EDRS as of January 1, 1968 are listed. Copies of the newsletter are available on request.

Mathematics Education Documents Available through EDRS

Many requests have been received for documents related to mathematics education that are available through the ERIC Document Reproduction Service (EDRS). Information analysts have reviewed all issues of Research in Education through December 1967, U.S. Office of Education Research Reports, 1956–1965, and Pacesetters in Innovation, Fiscal Year 1966. This issue of the SEIAC Newsletter contains a listing of documents related to mathematics education from these three sources. The documents are listed according to the publication in which they were announced.

Author, title, descriptor information and prices are provided for each document. Prices listed are current EDRS prices. When ordering documents, be certain to include the ERIC document number of each document and indicate whether you desire microfiche (MF) or hard copy (HC). If your order does not exceed $3.00, a 50¢ handling charge should be included. Requests for documents should be addressed to EDRS, The National Cash Register Company, 4936 Fairmont Avenue, Bethesda, Maryland 20014.
ED 002 781
AN ANALYSIS OF LEARNING EFFICIENCY IN
ARITHMETIC OF MENTALLY RETARDED CHIL-
DREN IN COMPARISON WITH CHILDREN OF
AVERAGE AND HIGH INTELLIGENCE.
KLAUSMEIER, HERBERT J. AND OTHERS
WISCONSIN UNIV., MADISON
EDRS PRICE MF-$0.75 HC-$7.12 178P.
PUB DATE AUG 59
DESCRIPTORS- *ARITHMETIC, *LEARNING,
*MENTAL RETARDATION, *PHYSICAL DEVELOP-
MENT, *RETARDED CHILDREN, ACHIEVEMENT,
COMPARATIVE ANALYSIS, ELEMENTARY SCHOOL
STUDENTS, MADISON, MILWAUKEE, PUBLIC
SCHOOLS, RETENTION, WISCONSIN.

ED 002 866
A TRANSLATION OF RUSSIAN FIRST–GRADE
ARITHMETIC.
CALANDRA, ALEXANDER
WASHINGTON UNIV., ST. LOUIS, MO.
EDRS PRICE MF-$0.75 HC-$5.80 145P.
PUB DATE 59
DESCRIPTORS- *ARITHMETIC, *GRAPHS, *MATHE-
MATICS INSTRUCTION, *RUSSIAN, MISSOURI, ST.
LOUIS, TEACHING METHODS.

ED 002 974
PROBLEM-SOLVING PROFICIENCY AMONG ELE-
MENTARY SCHOOL TEACHERS, IV. FURTHER IN-
VESTIGATIONS OF TEACHERS OF ARITHMETIC,
GRADING 5–6.
TURNER, RICHARD L.
INDIANA UNIV., BLOOMINGTON
INST. OF EDUC. RES.
EDRS PRICE MF-$0.25 HC-$2.08 52P.
PUB DATE FEB 61
DESCRIPTORS- *ARITHMETIC, *ELEMENTARY
SCHOOL TEACHERS, *PROBLEM SOLVING,
*TEACHER EVALUATION, *TEACHING TECH-
NIQUES, ALLPORT VERNON LINDZEY STUDY OF
VALUES, BLOOMINGTON, EFFECTIVE TEACHING,
INDIANA, INTELLIGENCE, MINNESOTA TEACHER
ATTITUDE INVENTORY (MTAI), TEACHER CHAR-
ACTERISTICS.

ED 003 038
ABILITIES OF FIRST-GRADE PUPILS TO LEARN
MATERIALS IN TERMS OF ALGEBRAIC STRUC-
TURES BY TEACHING MACHINES.
KEISLAR, EVAN R. CRAWFORD, ROBERT C.
CALIF. UNIV., LOS ANGELES
EDRS PRICE MF-$0.50 HC-$4.76 119P.
PUB DATE DEC 61
DESCRIPTORS- *AUDIOVISUAL INSTRUCTION,
*AUTO-INSTRUCTIONAL AIDS, *GRADE 1, *MATHE-
MATICS INSTRUCTION, *TEACHING MACHINES,
CALIFORNIA, COMPARATIVE ANALYSIS, CONVENTI-
TIONAL INSTRUCTION, CUISENAIRE BLOCKS,
GRADE 4, GROUP TESTS, INSTRUCTIONAL PRO-
GRAMS, INTERVIEWS, LOS ANGELES, PROGRAMED
INSTRUCTION, SANTA MONICA, VIDEOSONIC
TEACHING MACHINE (HUGHES AIRCRAFT CO.).

ED 003 053
EVALUATION OF THE MADISON PROJECT METHOD
OF TEACHING IN ARITHMETIC SITUATIONS,
GRADING 4,5, AND 6.
BROWN, WM. F.
N.Y. STATE EDUC. DEPT., ALBANY.
EDRS PRICE MF-$0.25 HC-$2.20 55P.
PUB DATE 63
DESCRIPTORS- *ARITHMETIC, *EFFECTIVE
TEACHING, *MODERN MATHEMATICS, *PROGRAM
EVALUATION, *TEACHING TECHNIQUES, CALIFOR-
NIA TEST OF MENTAL MATURETY, CURRICU-
LUM PLANNING, EDUCATIONAL EXPERIMENTS,
IOWA TEST OF BASIC SKILLS, LEARNING READI-
NESS, MADISON PROJECT, MATHEMATICS CUR-
RICULUM, MATHEMATICS MATERIALS, NEW YORK,
STUDENT IMPROVEMENT, STUDENT INTERESTS,
SYRACUSE, SYRACUSE TEST OF ALGEBRAIC
FLUENCY.

ED 003 128
A PROJECT FOR THE IMPROVED USE OF NEWER
EDUCATIONAL MEDIA IN ELEMENTARY SCHOOL
MATHEMATICS.
ZANT, JAMES H. AND OTHERS
OKLAHOMA STATE UNIV., STILLWATER
AGRIC.-APPL. SCI.
EDRS PRICE MF-$0.25 HC-$2.12 53P.
PUB DATE 31 AUG 65
DESCRIPTORS- *CONFERENCEs, *ELEMENTARY
EDUCATION, *INSTRUCTIONAL MATERIALS,
*MATHEMATICS MATERIALS, *PROGRAMED IN-
STRUCTION, CONSULTANTS, COURSE OBJECTIVES
EDUCATION PROBLEMS, EVALUATION METHODS, MEDIA SPECIALISTS, OKLAHOMA, PROGRAM DEVELOPMENT, STILLWATER.

ED 003 162
RESEARCH MEMORANDUM, EVALUATION OF AN INSERVICE TELEVISION TRAINING PROGRAM IN MATHEMATICS FOR ELEMENTARY TEACHERS. MILLS, DONALD F. KOPSTEIN, FELIX F. EDUCATIONAL TESTING SERVICE, PRINCETON, N.J. EDRS PRICE MF-$0.75 HC-$6.68 167P. PUB DATE APR 65 DESCRIPTORS- *ACHIEVEMENT TESTS, *ELEMENTARY SCHOOL TEACHERS, *INSERVICE TEACHER EDUCATION, *INSTRUCTIONAL TELEVISION, *MODERN MATHEMATICS, *TEACHER ATTITUDES, EDUCATIONAL TELEVISION, EDUCATIONAL TESTING SERVICE (ETS), ETS COOPERATIVE STRUCTURE OF THE NUMBER SYSTEM TEST, ETS COOPERATIVE ARITHMETIC TEST, MATHEMATICS, NEW JERSEY, PRINCETON, SPECIAL INSIGHTFUL ARITHMETIC TEST, TEACHER SEMINARS.

ED 003 178
COMPARATIVE RESEARCH ON METHODS AND MEDIA FOR PRESENTING PROGRAMED COURSES IN MATHEMATICS AND ENGLISH. CARPENTER, C. R. GREENHILL, L. P. PENNSYLVANIA STATE UNIV., UNIVERSITY PARK EDRS PRICE MF-$0.50 HC-$3.36 84P. PUB DATE MAR 63 DESCRIPTORS- *ENGLISH INSTRUCTION, *MATHEMATICS INSTRUCTION, *MEDIA RESEARCH, *METHODS RESEARCH, *PROGRAMED INSTRUCTION, CLOSED CIRCUIT TELEVISION, COMPARATIVE ANALYSIS, GROUP INSTRUCTION, PACING, PENNSYLVANIA, PROGRAMED MATERIALS, TIME FACTORS (LEARNING), UNIVERSITY PARK.

ED 003 197

ED 003 203
RESEARCH WITH A PROGRAM ON GEOMETRIC INEQUALITIES. COULSON, JOHN E. SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIF. EDRS PRICE MF-$0.50 HC-$3.40 85P. PUB DATE 26 JUN 64 DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *GEOMETRY, *INDIVIDUAL STUDY, *LEARNING PROCESSES, *PROGRAMED INSTRUCTION, CALIFORNIA, EDUCATIONAL RESEARCH, HIGH SCHOOL STUDENTS, INDIVIDUAL DIFFERENCES, LEARNING DIFFICULTIES, PROGRAM DESIGN, PROGRAM IMPROVEMENT, PROGRAMED UNITS, SANTA MONICA, TUTORING.

ED 003 217

ED 003 234
NEW MEDIA FOR IMPROVEMENT OF ALGEBRA INSTRUCTION. CHURCH, JOHN G. AND OTHERS STATE UNIV. OF N. Y., ALBANY EDRS PRICE MF-$1.75 HC-$17.64 441P. PUB DATE JUN 64 DESCRIPTORS- *ALGEBRA, *AUDIOVISUAL INSTRUCTION, *PROGRAMED INSTRUCTION, *VISUAL LEARNING, ALBANY, AUDIOVISUAL AIDS, GRADE 9, INSTRUCTIONAL FILMS, INSTRUCTIONAL MATERIALS, NEW YORK, PROGRAM EVALUATION.

ED 003 237
MATHEMATICS, PENNSYLVANIA, READING MATERIALS, RESOURCE MATERIALS, WEST CHESTER.

ED 003 238
THE TEACHER, PROGRAMED MATERIALS, AND INSTRUCTIONAL INTERACTION, TESTS AND FINAL EXAMINATION WITH ANSWERS.
ARCHER, N. SIDNEY
WEST CHESTER STATE COLL., PA.
COOP. RES. CENTER
EDRS PRICE MF-$0.50 HC-$3.92 98P.
PUB DATE 64
DESCRIPTORS: *ALGEBRA, *TESTS, INSTRUCTIONAL INTERACTION, MATHEMATICS INSTRUCTION, PENNSYLVANIA, PROGRAMED INSTRUCTION, WEST CHESTER.

ED 003 255
ITEM ANALYSIS, TEST DESIGN, AND CLASSIFICATION.
SOLOMON, HERBERT
STANFORD UNIV., CALIF.
EDRS PRICE MF-$1.50 HC-$15.40 385P.

ED 003 257
DETERMINATION OF \"STRUCTURE-OF-INTELECT\" ABILITIES INVOLVED IN NINTH-GRADE ALGEBRA AND GENERAL MATHEMATICS.
PETERSEN, H. AND OTHERS
UNIV. OF S. CALIF., L. A.
EDRS PRICE MF-$0.25 HC-$1.68 42P.
PUB DATE OCT 63

ED 003 299
ARITHMETICAL ABSTRACTIONS—THE MOVEMENT TOWARD CONCEPTUAL MATURITY UNDER DIFFERING SYSTEMS OF INSTRUCTION.
BROWNELL, WM. A.
CALIFORNIA UNIV., BERKELEY
EDRS PRICE MF-$1.50 HC-$14.64 366P.
PUB DATE JUL 64

ED 003 345
THE DEVELOPMENT OF DIFFERENTIATION AND CONSERVATION OF NUMBER.
ZIMILES, HERBERT AND OTHERS
BANK STREET COLL. OF EDUCATION, NEW YORK, N. Y.
EDRS PRICE MF-$0.50 HC-$3.24 81P.
PUB DATE 65
DESCRIPTORS: *COGNITIVE PROCESSES, *GRADE 1, *TRANGERTEN CHILDREN, *LOGICAL THINKING, *NUMBERS, ATTITUDES, COGNITIVE MEASUREMENT, DRAW A MAN TEST, INTELLIGENCE, NEW YORK, NEW YORK CITY, NUMBER CONCEPTS, PICTURE VOCABULARY TEST.

ED 003 346
SEQUENCE CHARACTERISTICS OF TEXT MATERIALS AND TRANSFER OF LEARNING, Part 1—Experiments in Discovery Learning.
DELLA-PIANA, GABRIEL M. AND OTHERS
UTAH UNIV., SALT LAKE CITY BUREAU OF EDUC. RES.
EDRS PRICE MF-$1.00 HC-$8.12 203P.
PUB DATE DEC 65
DESCRIPTORS: *COMPARATIVE ANALYSIS, *INSTRUCTIONAL MATERIALS, *LEARNING PROCESSES, *MATHEMATICS INSTRUCTION, *PROGRAMED TEXTS, ALGEBRA, GRADE 5, GRADE 6, GRADE 9, SALT LAKE CITY, SEQUENTIAL PROGRAMS, TEACHING TECHNIQUES, UTAH.

ED 003 347
SEQUENCE CHARACTERISTICS OF TEXT MATERIALS AND TRANSFER OF LEARNING, Part 2—Appendices—Tests and Tests.
DELLA-PIANA, GABRIEL M. AND OTHERS
UTAH UNIV., SALT LAKE CITY BUREAU OF EDUC. RES.
EDRS PRICE MF-$1.25 HC-$11.20 280P.
PUB DATE DEC 65

ED 003 348
SELF-SELECTED MATHEMATICS LEARNING ACTIVITIES.
FITZGERALD, WM. M.
MICHIGAN UNIV., ANN ARBOR
EDRS PRICE MF-$0.50 HC-$4.20 105P.
PUB DATE 65
DESCRIPTORS: *AUTOINSTRUCTIONAL PROGRAMS, *EXPERIMENTAL PROGRAMS, *INTER-
MEDIATE GRADES, *MATHEMATICS MATERIALS, *MEASUREMENT INSTRUMENTS, ANN ARBOR, GRADE 7, GRADE 8, JUNIOR HIGH SCHOOLS, MICHIGAN.

ED 003 367
EXPERIMENTAL TEACHING OF MATHEMATICAL LOGIC IN THE ELEMENTARY SCHOOL.
SUPPES, PATRICK
STANFORD UNIV., CALIF.
EDRS PRICE MF-$0.25 HC-$2.24 56P.
PUB DATE 64

ED 003 369
A MODERN MATHEMATICS PROGRAM AS IT PERTAINS TO THE INTERRELATIONSHIP OF MATHEMATICAL CONTENT, TEACHING METHODS AND CLASSROOM ATMOSPHERE (THE MADISON PROJECT).
DAVIS, ROBT. B.
SYRACUSE UNIV., N. Y.
EDRS PRICE MF-$0.50 HC-$3.16 79P.
PUB DATE 63

ED 003 371
A MODERN MATHEMATICS PROGRAM AS IT PERTAINS TO THE INTERRELATIONSHIP OF MATHEMATICAL CONTENT, TEACHING METHODS, AND CLASSROOM ATMOSPHERE, (THE MADISON PROJECT)
DAVIS, ROBT. B.
SYRACUSE UNIV., N. Y.
EDRS PRICE MF-$0.75 HC-$6.08 152P.
PUB DATE 65
DESCRIPTORS- *CURRICULUM ENRICHMENT, *EDUCATIONAL THEORIES, *ELEMENTARY EDUCATION, *MATHEMATICS CURRICULUM, *MODERN MATHEMATICS, CLASSROOM ENVIRONMENT, DEMONSTRATION PROJECTS, FILMS, MADISON PROJECT, MASS MEDIA, MATHEMATICS, MISSOURI, NEW YORK, SYRACUSE, TAPE RECORDINGS, TEACHER EDUCATION, TEACHING METHODS, WEBSTER GROVES.

ED 003 462
TEACHER-PUPIL INTERACTION DIFFERENCES BETWEEN SCHOOL MATHEMATICS STUDY GROUP AND TRADITIONAL MATHEMATICS.
SLOAN, FRED A., PATE, ROBERT T.
OKLAHOMA UNIV., NORMAN, OKLAHOMA RESEARCH INSTITUTION
EDRS PRICE MF-$0.50 HC-$2.60 65P.
PUB DATE 64
DESCRIPTORS- *CURRICULUM DEVELOPMENT, *MODERN MATHEMATICS, *TEACHER IMPROVEMENT, *TEACHING METHODS, DISCOVERY PROCESSES, GRADE 4, NORMAN, OKLAHOMA, PROVO CODE FOR ANALYSIS OF TEACHING, STUDENT TEACHER RELATIONSHIP.

ED 003 538
EXPERIMENTATION IN THE ADAPTATION OF THE OVERHEAD PROJECTOR UTILIZING 200 TRANSPARENCIES AND 800 OVERLAYS IN TEACHING ENGINEERING DESCRIPTIVE GEOMETRY CURricula.
CHANCE, CLAYTON W.
TEXAS UNIV., AUSTIN
EDRS PRICE MF-$0.25 HC-$2.12 52P.
PUB DATE 60

ED 003 558
MATHEMATICS INDIVIDUAL LEARNING EXPERIMENT.
CROSBY, GLADYS AND OTHERS
CITY UNIV. OF N. Y.
EDRS PRICE MF-$0.50 HC-$4.56 114P.
PUB DATE 60
DESCRIPTORS- *ACHIEVEMENT, *ALGEBRA, *GRADE 9, *GROUP INSTRUCTION, *INDIVIDUAL INSTRUCTION, DIFFERENTIAL APTITUDE TEST, FLUSHING, INSERVICE TEACHER EDUCATION, JUNIOR HIGH SCHOOLS, MATHEMATICS INSTRUCTION, NEW YORK, NEW YORK CITY, QUEENS COLLEGE.

ED 003 562
TELEVISION AND CONSULTANT SERVICES AS METHODS OF INSERVICE EDUCATION FOR ELEMENTARY SCHOOL TEACHERS OF MATHEMATICS.
DEVAVTE, VERE M. AND OTHERS
TEXAS UNIV., AUSTIN
EDRS PRICE MF-$0.75 HC-$5.56 139P.
PUB DATE 62
THE COMPARATIVE EFFECTIVENESS OF SOUND MOTION PICTURES AND PRINTED COMMUNICATIONS FOR THE MOTIVATION OF HIGH SCHOOL STUDENTS IN MATHEMATICS.

TIEMENS, ROBT. K.
IOWA UNIV., IOWA CITY
EDRS PRICE MF-$0.50 HC-$3.08 77P.

PROGRAMED MATERIALS IN MATHEMATICS FOR SUPERIOR STUDENTS IN RURAL SCHOOLS.
SMITH, WENDELL I. MOORE, J. WM.
BUCKNELL UNIV., LEWISBURG, PA.
EDRS PRICE MF-$0.50 HC-$3.40 85P.

PRINCIPLES OF PROGRAMING MATERIAL FOR TEACHING MACHINES AND THEIR RELATION TO TRANSFER OF TRAINING.
LEVIN, GERALD R.
BROWN UNIV., PROVIDENCE, R. I.
EDRS PRICE MF-$0.25 HC-$0.96 24P.

THE INFLUENCE OF NOVELTY EFFECT UPON TEACHING MACHINE LEARNING.
POPHAM, W. JAMES
SAN FRAN. STATE COLL., CALIF.
EDRS PRICE MF-$0.25 HC-$0.72 18P.

THE REQUIREMENTS FOR GRAPHIC TEACHING MACHINES.

HICKEY, ALBERT AND OTHERS
NORTHEASTERN UNIV., BOSTON, MASS.
EDRS PRICE MF-$0.50 HC-$3.08 77P.

A STUDY CONCERNING THE EFFECT OF AN AURAL INCREMENT IN PROGRAMED AUTOINSTRUCTIONAL MATHEMATICAL MATERIAL FOR COLLEGE STUDENTS.
SOWELL, KATYE OLIVER
FLORIDA ST. UNIV., TALLAHASSEE
EDRS PRICE MF-$0.50 HC-$2.76 69P.

A COMPARISON OF AUTOMATED TEACHING PROGRAMS WITH CONVENTIONAL TEACHING METHODS AS APPLIED TO TEACHING MENTALLY RETARDED STUDENTS.
PRICE, JAMES E.
PARTLOW STATE SCHOOL, TUSCALOOSA, ALA.
EDRS PRICE MF-$0.25 HC-$0.52 13P.

INTELLECTUAL PROCESSES RELATED TO MATHEMATICS ACHIEVEMENT AT GRADE LEVELS 4, 5, AND 6.
WESTBROOK, HELEN R. AND OTHERS
GEORGIA UNIV., ATHENS
EDRS PRICE MF-$1.25 HC-$12.88 32P.

EDUCATIONAL MATERIALS FOR THE TEACHING OF MATHEMATICS.
INTELLECTUAL DEVELOPMENT, PSYCHOLOGICAL PATTERNS, STUDENT CHARACTERISTICS.

ED 003 827
SYSTEMATIC OBSERVATION OF VERBAL INTERACTION AS A METHOD OF COMPARING MATHEMATICS LESSONS.
WRIGHT, E. MURIEL J. PROCTOR, VIRGINIA H.
WASHINGTON UNIV., ST. LOUIS, MO.
EDRS PRICE MF-$1.50 HC-$15.20 380P.
PUB DATE JUN 61

ED 010 003
A FIRST STEP TOWARDS THE IMPLEMENTATION OF THE CAMBRIDGE MATHEMATICS CURRICULUM IN A K-12 UNGRADED SCHOOL.
FOSTER, GARRETT R.
FLORIDA STATE UNIVERSITY, TALLAHASSEE
EDRS PRICE MF-$0.50 HC-$3.76 94P.
PUB DATE 66
DESCRIPTORS- *CONFERENCES, *CURRICULUM RESEARCH, *MATHEMATICS CURRICULUM, *SYSTEMS ANALYSIS, *UNGRADED SCHOOLS, ABILITY GROUPING, BROWARD COUNTY, EXPERIMENTAL PROGRAMS, FLORIDA, INDIVIDUALIZED CURRICULUM, INSERVICE TEACHER EDUCATION, NOVA SCHOOL, PROGRAM DEVELOPMENT, TALLAHASSEE, TEACHING METHODS.

ED 010 014
THE PRODUCTION AND VALIDATION OF EDUCATIONAL SYSTEMS PACKAGES FOR OCCUPATIONAL TRAINING OF DEPRESSED AREA STUDENTS, FINAL REPORT.
BUSHNELL, DON D.
BROOKS FOUNDATION, SANTA BARBARA, CALIFORNIA
EDRS PRICE MF-$0.25 MC-$1.64 41P.
PUB DATE 30 MAR 66

ED 010 039
ORGANIZATION OF MATHEMATICS IN GRADES 4, 5, AND 6.
BLAKE, KATHRYN A. AND OTHERS
UNIV. OF GEORGIA, ATHENS
EDRS PRICE MF-$0.75 MC-$6.64 166P.
PUB DATE 66

ED 010 056
A COMPARISON OF MATHEMATICS PROGRAMS FOR ABLE JUNIOR HIGH SCHOOL STUDENTS, VOLUME 1 - FINAL REPORT.
GOLDBERG, MIRIAM L. AND OTHERS
COLUMBIA UNIV.
EDRS PRICE MF-$1.25 HC-$12.44 311P.
PUB DATE MAY 66
DESCRIPTORS- *JUNIOR HIGH SCHOOL, *MATHEMATICS CURRICULUM, *MATHEMATICS INSTRUCTION, *TEACHING METHODS, COMPARATIVE ANALYSIS, LEARNING PROCESSES, LORGE-THORNDIKE VERBAL INTELLIGENCE TEST, MATHEMATICAL ENRICHMENT, MATHEMATICS, NEW YORK, NEW YORK CITY, STEP MATHEMATICS TESTS, STEP READING TESTS.

ED 010 057
A COMPARISON OF MATHEMATICS PROGRAMS FOR ABLE JUNIOR HIGH SCHOOL STUDENTS.
GOLDBERG, MIRIAM L. AND OTHERS
COLUMBIA UNIV.
EDRS PRICE MF-$0.50 HC-$4.96 124P.
PUB DATE 66

ED 010 109
BRIDGING THE GRADE SIX TO SEVEN GAP WITH CONTINUOUS PROGRESS.
KELLETT, JEREMIAH J.
WESTON JUNIOR HIGH SCHOOL, MASS.
EDRS PRICE MF-$0.25 HC-$1.32 33P.
PUB DATE 66

ED 010 110
UTILIZATION OF COMPUTER FACILITIES IN THE MATHEMATICS AND BUSINESS CURRICULUM IN A LARGE SUBURBAN HIGH SCHOOL.
RENO, MARTIN AND OTHERS
CASE INST. OF TECHNOLOGY, CLEVELAND
EDRS PRICE MF-$0.25 HC-$1.04 26P.
PUB DATE 66
DESCRIPTORS- *COMPUTER PROGRAMS, *COMPUTERS, *DATA PROCESSING, *HIGH SCHOOL, MATHEMATICS CURRICULUM, CLEVELAND, DIGITAL COMPUTERS, EUCLID, INFORMATION RETRIEVAL, INFORMATION SYSTEMS, INSTRUCTIONAL INNOVATION, OHIO, PROGRAMING, STUDENT PARTICIPATION.
ED 010 184
A STUDY OF PSYCHOLOGICAL PATTERNS IN LEARNING ELEMENTARY MATHEMATICS.
RESTLE, FRANK
INDIANA UNIV., BLOOMINGTON
EDRS PRICE MF-$0.50 HC-$4.04 101P.
PUB DATE 66

ED 010 208
STUDIES OF THE USE OF PROGARED INSTRUCTION IN THE CLASSROOM.
GLASER, ROBERT AND OTHERS
UNIV. OF PITTSBURGH
EDRS PRICE MF-$0.75 HC-$7.76 194P.
PUB DATE MAY 66
DESCRIPTORS- *ARITHMETIC, EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL STUDENTS, *PROGRAMMED INSTRUCTION, *SPELLING, ACHIEVEMENT, CLASSROOM RESEARCH, CLASSROOM TECHNIQUES, CLASSROOMS, EVALUATION METHODS, EVALUATION TECHNIQUES, INDIVIDUAL INSTRUCTION, INDIVIDUALIZED PROGRAMS, MANAGEMENT, PENNSYLVANIA, PITTSBURGH, PROGRAMING, RESEARCH AND DEVELOPMENT CENTERS, TESTS.

ED 010 209
MEASURES OF LEARNING RATES FOR ELEMENTARY SCHOOL STUDENTS IN MATHEMATICS AND READING UNDER A PROGRAM OF INDIVIDUALLY PRESCRIBED INSTRUCTION.
YEAGER, JOHN L.
UNIVERSITY OF PITTSBURGH
EDRS PRICE MF-$0.50 HC-$3.68 92P.
PUB DATE

ED 010 210
THE EFFECT OF AN INDIVIDUALLY PRESCRIBED INSTRUCTION PROGRAM IN ARITHMETIC ON PUPILS AT DIFFERENT ABILITY LEVELS.
DEEP, DONALD
UNIVERSITY OF PITTSBURGH
EDRS PRICE MF-$0.50 HC-$4.16 104P.
PUB DATE 66

ED 010 211
SEQUENTIALLY SCALED MATHEMATICS ACHIEVEMENT TESTS-CONSTRUCTION METHODOLOGY AND EVALUATION PROCEDURES.
BRAHAM, GLENN T.
UNIVERSITY OF PITTSBURGH
EDRS PRICE MF-$0.75 HC-$5.40 135P.
PUB DATE 66

ED 010 261
A STUDY OF DEVELOPMENT OF CONSERVATION OF QUANTITY.
MUKTARIAN, HERBERT H.
THOMPSON, GEORGE G.
OHIO STATE UNIVERSITY, COLUMBUS
RESEARCH FOUNDATION
EDRS PRICE MF-$0.50 HC-$2.76 69P.
PUB DATE JUN 66
DESCRIPTORS- *COGNITIVE DEVELOPMENT, COLUMBUS, CONCEPT FORMATION, MATHEMATICAL MODELS, OHIO, PERCEPTUAL DEVELOPMENT.

ED 010 306
RANDOMIZATION PROCEDURES FOR THE ANALYSIS OF EDUCATIONAL EXPERIMENTS.
COLLIER, RAYMOND O.
UNIV. OF MINNESOTA, MINNEAPOLIS
EDRS PRICE MF-$0.75 HC-$6.08 152P.
PUB DATE 65

ED 010 329
DEMONSTRATION OF A NONGRADED PLAN OF AN ELEMENTARY SCHOOL, UTILIZING TEAM TEACHING AND PROGRAMED INSTRUCTION TO FACILITATE LEARNING IN READING AND MATHEMATICS.
LEWIS, WILLIAM F.
TROY STATE COLLEGE, ALA.
EDRS PRICE MF-$0.50 HC-$3.48 87P.
PUB DATE OCT 66
*TEAM TEACHING, ALABAMA, TEACHING TECHNIQUES, TROY.

ED 010 378
CHARACTERISTICS OF MATHEMATICS TEACHERS THAT AFFECT STUDENTS' LEARNING.
TORRANCE, E. PAUL AND OTHERS
UNIV. OF MINNESOTA, MINNEAPOLIS
EDRS PRICE MF-$0.75 HC-$6.76 166P

ED 010 393
AN ADVANCED PLACEMENT COURSE IN ANALYTIC GEOMETRY AND CALCULUS (MATHEMATICS XV X AP).
MIENTKA, WALTER E. DEROLF, JOHN J.
UNIVERSITY OF NEBRASKA, LINCOLN
EDRS PRICE MF-$0.75 HC-$5.28 132P

ED 010 420
ANALYSIS OF MATHEMATICAL ABILITIES REQUIRED FOR SUCCESS IN NINTH-GRADE MATHEMATICS.
LETON, DONALD A. KIM, SHARON
UNIVERSITY OF HAWAII
EDRS PRICE MF-$0.50 HC-$4.48 112P

ED 010 515
SECONDARY SCHOOL PUPILS' PERCEPTION OF THE PLANE SECTIONS OF SELECTED SOLID FIGURES.
BOE, BARBARA L.
WISCONSIN UNIV., MADISON
EDRS PRICE MF-$0.25 HC-$1.72 43P

ED 010 535
THE PROBLEMS OF UNDER ACHIEVEMENT AND LOW ACHIEVEMENT IN MATHEMATICS EDUCATION.
SMALL, DWAIN E. AND OTHERS
FLORIDA UNIV., GAINESVILLE
EDRS PRICE MF-$0.50 HC-$3.52 88P

ED 010 574
THE ORGANIZATION OF INTERRELATED INDIVIDUAL PROGRESS AND ABILITY LEVEL COURSES IN MATHEMATICS AT GARBER HIGH SCHOOL.-AN INTRODUCTION.
BRATTEN, JACK E.
SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIFORNIA
EDRS PRICE MF-$0.25 HC-$0.72 18P

ED 010 575
THE ORGANIZATION OF INTERRELATED INDIVIDUAL PROGRESS AND ABILITY LEVEL COURSES IN MATHEMATICS AT GARBER HIGH SCHOOL.-DESCRIPTIVE ANALYSIS.
BRATTEN, JACK E.
SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIFORNIA
EDRS PRICE MF-$0.25 HC-$0.80 20P

ED 010 576
THE ORGANIZATION OF INTERRELATED INDIVIDUAL PROGRESS AND ABILITY LEVEL COURSES IN MATHEMATICS AT GARBER HIGH SCHOOL.-SYSTEM ANALYSIS AND STIMULATION.
BRATTEN, JACK E.
ED 010 586
RULE GENERALITY AND CONSISTENCY IN MATHEMATICS LEARNING.
SCANDURA, JOSEPH M.
FLORIDA STATE UNIVERSITY, TALLAHASSEE
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DESCRIPTORS- *COLLEGE INSTRUCTION, *ELECTRO-MECHANICAL AIDS, *MATHEMATICS, CEDAR FALLS.

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PROBLEM SOLVING PROFICIENCY AMONG ELEMENTARY SCHOOL TEACHERS. II, TEACHERS OF ARITHMETIC, GRADES 3-6.
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DESCRIPTORS- *EXPERIMENTAL PROGRAMS, *INSTRUCTIONAL MATERIALS, *MATHEMATICS INSTRUCTION, *PROGRAM EFFECTIVENESS, *TEACHER ATTITUDES, COMPARATIVE ANALYSIS, FACTOR ANALYSIS, GRADE 10, GRADE 11, GRADE 7, GRADE 8, GRADE 9, ITEM ANALYSIS, QUESTIONNAIRES, ST. PAUL.

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A STUDY OF THE EFFECTS OF EXPERIMENTAL PROGRAMS ON PUPIL ACHIEVEMENT OBSERVED DURING FIRST THREE YEARS OF THE PROJECT, SECONDARY MATHEMATICS EVALUATION PROJECT. INTERIM REPORT.
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DESCRIPTORS- *ACADEMIC ACHIEVEMENT, *CURRICULUM EVALUATION, *MATHEMATICS INSTRUCTION, *STUDENT ABILITY, *TEACHER EXPERIENCE, SECONDARY EDUCATION, ST. PAUL, TEACHER CHARACTERISTICS.
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VT., SHELBURNE, CHAMPLAIN VALLEY UNION H.S.
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DESCRIPTORS- *COMPUTER ORIENTED PROGRAMS, *CONTROL GROUPS, *GRADES 7-12, *MATHEMATICS.

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PA., WILLIAMSPORT, AREA SCHOOL DISTRICT
EDRS PRICE MF-$0.50 HC-$3.08 77P.

DESCRIPTORS- *CONTROL GROUPS, *GRADES 1-6, *INSERVICE TEACHER EDUCATION, *MODERN MATHEMATICS, *PROGRAMMED INSTRUCTION, CURRICULUM PLANNING, INDIVIDUAL INSTRUCTION, LECTURE, SEMINARS, TEACHER IMPROVEMENT.

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ES 000 745
MATHEMATICS COMPUTER CENTER.
NEV., LAS VEGAS, CLARK COUNTY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.68 42P.

DESCRIPTORS- *COMPUTER ASSISTED INSTRUCTION, *GRADES 7-12, *MATHEMATICS, COMPUTER CENTERS, INSERVICE PROGRAMS, PROGRAMING.

ES 000 812
PROGRAM FOR MATHEMATICALLY UNDERDEVELOPED PUPILS.
FLA., WEST PALM BEACH, PALM BEACH COUNTY BD. OF EDUCATION
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DESCRIPTORS- *GRADES 7-12, *MATHEMATICS, *SLOW LEARNERS, *UNDERACHIVERS, INSERVICE TEACHER EDUCATION, INSTRUCTIONAL AIDS.
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EDUCATIONAL INNOVATION (PROJECT-EDINN).
CALIF., SALINAS, MONTEREY COUNTY SUPT. OF SCHOOLS.
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DESCRIPTORS- *GRADES 1-6, *GRADES 7-12,
*HUMANITIES, *INDIVIDUAL INSTRUCTION,
*MATHEMATICS, *MEXICAN AMERICAN, *READING,
*TEACHER IMPROVEMENT, DEMONSTRATION PROGRAMS.

ES 000 898
COMPUTER MATHEMATICS AND PROGRAMING.
IND., GARY, COMMUNITY SCHOOL CORPORATION
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DESCRIPTORS- *COMPUTER PROGRAMS, *GRADE 11,
*GRADE 12, *GRADES 7-12, *MATHEMATICS,
*PROGRAMING.

ES 000 901
OAKLAND COUNTY MATHEMATICS PROJECT.
MICH., PONTIAC, OAKLAND COUNTY SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.48 37P.
DESCRIPTORS- *HIGH SCHOOL STUDENTS, *MATHEMATICS CURRICULUM, MATHEMATICS, VOCATIONAL EDUCATION.

ES 000 903
THE PLANNING OF CLASSROOM INSTRUCTIONAL MATERIALS DESIGNED FOR THE LOW ACHIEVING PUPIL IN GRADES 7 AND 8.
OHIO, CINCINNATI, BD. OF ED. CITY SCH. DIST.
EDRS PRICE MF-$0.25 HC-$0.80 20P.
DESCRIPTORS- *GRADE 7, *GRADE 8, LOW ACHIEVING, MATHEMATICS, MATERIALS, MATHEMATICS.