

Program Description/Textbook or Print Instructional Material

Vendor: Pearson Education, Inc., publishing as Scott Foresman

Web Address: www.scottforesman.com

Title: Scott Foresman-Addison Wesley MATH

Author: Randall I. Charles, et al

Copyright: 2002

Grade	ISBN	Title	List Price	Wholesale Price	Readability
K	0-328-02178-4	Pupil Edition, consumable text	23.00	18.40	N/A
K	0-201-45982-5	Jumbo Pages with Transparencies	340.69	272.55	N/A
K	0-201-31826-1	Classroom Manipulatives Kit	459.00	367.20	N/A
1	0-328-02179-2	Pupil Edition, consumable text	31.94	25.55	1.51-1.59
1-2	0-201-31827-X	Classroom Manipulatives Kit	567.69	454.15	N/A
2	0-328-02180-6	Pupil Edition, consumable text	31.94	25.55	1.88-2.30
3	0-328-02181-4	Pupil Edition, hardcover	59.50	47.60	2.60-3.58
3-5	0-201-31828-8	Classroom Manipulatives Kit	559.06	447.25	N/A
4	0-328-02182-2	Pupil Edition, hardcover	59.50	47.60	3.5-4.4
5	0-328-02183-0	Pupil Edition, hardcover	59.50	47.60	4.3-5.5
6	0-328-02184-9	Pupil Edition, hardcover	59.50	47.60	5.3-6.2
6	0-201-31416-9	Classroom Manipulatives Kit	622.13	497.70	N/A

Readability formula: Grades 1-3 Spache; Grades 4-6 Dale-Chall

FEATURES

DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

Content

The Scott Foresman- Addison Wesley Mathematics program was developed to assure that the students in the state of Kentucky will be prepared for the state and any national test. A correlation to the Kentucky Core Content has been developed. The content is organized into ten strands: Whole Number Concepts and Operations; Fraction Concepts and Operations; Decimal Concepts and Operations; Number Sense, Estimation and Mental Math; Mathematical Processes; Geometry; Patterns, Relationships, and Algebraic Thinking; Measurement, Time, and Money; Data, Statistics, and Probability; Ratio, Proportion, and Percent. Each concept is developed to meet the needs of a variety of learners which guarantees understanding for all students. Concepts are continually practiced, reviewed and then applied in real world problem solving experiences.

Student Experiences

To help students see the practical applications of mathematics, new concepts are introduced in real world problems, and concepts are then applied in problems that show a connection to other subjects, such as science, art, social studies, history, music, literature and health. To assure student understanding, concepts are conceptually developed with concrete materials, proceeding to the pictorial representation which is then connected to the abstract algorithm. After examples are explained, students are given the opportunity to Talk About each one, to reinforce and clarify their understanding.

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Student Experiences - continued

Students experience a variety of problem solving situations – analyzing word problems, analyzing strategies, decision making, comparing strategies and mixed problem solving in each skill lesson.

Assessment

Assessment opportunities occur in the pupil edition and in the assessment sourcebook. In each chapter of the pupil edition, there are reviews at the end of each section, and at the end of each chapter is a Chapter Review/Test, Performance Assessment and Cumulative Review. Alternate forms of these tests are provided in the assessment sourcebook, allowing the teacher to pre-and post-test each chapter. Ongoing assessment occurs in each lesson through the Talk About It, Check and Mixed Review.

Organization

Each chapter is divided into sections, and each section ends with a section review/practice. This allows teaching to occur in small chunks, followed by assessment. There are two types of skill lessons – Explore and Learn, and three types of problem solving lessons: Analyze Word Problems, Analyze Strategies, and Decision Making. Each chapter ends with a variety of assessment options – chapter review/test, performance assessment and cumulative review.

Resource Materials

Teacher Resource Packages, Grades K, 1, 2, 3, 4, 5, 6

Contents Include:

Practice Masters, Grades K, 1, 2, 3, 4, 5, 6

Another Look: Reteaching Masters, Grades K, 1, 2, 3, 4, 5, 6

Extend Your Thinking: Enrichment Masters, Grades K, 1, 2, 3, 4, 5, 6

Home and Community Connections, Grades K, 1, 2, 3, 4, 5, 6

Teacher's Toolkit, Grades K, 1, 2, 3, 4, 5, 6

Assessment Sourcebook, Grades K, 1, 2, 3, 4, 5, 6

Technology Masters, Grades K, 1, 2, 3, 4, 5, 6

Problem-Solving Masters, Grades 1, 2, 3, 4, 5, 6

Review from Last Year Blackline Masters, Grades 1, 2, 3, 4, 5, 6

Gratis Items To Be Provided And Under What Conditions

Grade K-6 - free at ratio of 1:20 Pupil Editions purchased

Teacher's Edition w/Teacher's Resource Planner CD-ROM, Grades K, 1, 2, 3, 4, 5, 6

Teacher's Resource Package, Grades K, 1, 2, 3, 4, 5, 6

Problem of the Day Flip Chart and Teaching Guide, Grades K, 1, 2, 3, 4, 5

Daily Cumulative Review Blackline Masters, Grades 1, 2, 3, 4, 5, 6

Kentucky Math Connections Workbook Blackline Masters, Grades K, 1, 2, 3, 4, 5

Practice Workbook, Grade 6

Kentucky Math Assessment Handbook, Grades K-6

Overhead Transparency Package, Grades 3, 4, 5, 6

Starter Manipulatives Kit, Grades K-2, Grades 3-5, Grade 6

Testworks CD-ROM Package, Grades 1, 2, 3, 4, 5, 6

Reading Strategies for Math Flip Chart and Blackline Masters, Grades 3-6

Teacher's Overhead Manipulatives Kit, Grades K-2, Grades 3-5, Grade 6

Scott Foresman mathSURF Web Site: www.mathSURF.com, Grades K-6

Choice:

Grade K :

Kentucky Math Connections Workbook Blackline Masters 1 per pupil, 6 years

OR Teacher's Overhead Manipulatives Kit (K-2)

OR Jumbo Pages with Transparencies

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Choice:

Grades 1, 2, 3, 4, 5:

Kentucky Math Connections Workbook Blackline Masters 1 per pupil, 6 years
OR Teacher’s Overhead Manipulatives Kit (K-2) (3-5)

Choice:

Grade 6:

Practice Workbook, 1 per pupil, 6 years
OR Teacher’s Overhead Manipulatives Kit

Available Ancillary Materials – Scott Foresman-Addison Wesley MATH

Teacher’s Editions, Grades K, 1, 2, 3, 4, 5, 6
Jumbo Pages with Transparencies, Grade K
Problem of the Day Flipchart and Teaching Guide, Grades K, 1, 2, 3, 4, 5
Dual Language Flipchart, Grades K-2, 3-5
Kentucky Math Connections Workbook Blackline Masters, Grades K, 1, 2, 3, 4, 5
Kentucky Math Assessment Handbook, Grades K-6
Practice Workbook, Grades K, 1, 2, 3, 4, 5, 6
Reteaching Workbook, Grades K, 1, 2, 3, 4, 5, 6
Enrichment Workbook, Grades K, 1, 2, 3, 4, 5, 6
Problem-Solving Workbook, Grades 1, 2, 3, 4, 5, 6
Multilingual Handbook, Grades K-2, 3-6
MathSoup Magazine Package, Grades K-2
Literature Library Package, Grades K, 1, 2, 3, 4, 5, 6
TerraNova Assessment Package (2 items), Grades 1, 2, 3, 4, 5, 6
SAT 9 Assessment Package (2 items), Grades 1, 2, 3, 4, 5, 6
ITBS Test Preparation Assessment Package (2 items), Grades 3, 4, 5, 6
Teacher’s Magnetic Manipulatives Kit, Grades K-2
Teacher’s Overhead Manipulatives Kit, Grades K-2, 3-5
Starter Manipulatives Kit, Grades K-2, 3-5
Calendar Time Kit and Teaching Guide, Grades K, 1, 2, 3, 4, 5
Reading Strategies for Math Flipchart and Blackline Masters, Grades K-2, 3-5
Reading Strategies for Problem Solving, Grades K, 1, 2, 3, 4, 5, 6
CTW MATHmatazz™ Kit, Grades K-2
Teacher’s Resource Planner CD-ROM, Grades K, 1, 2, 3, 4, 5, 6
Testworks™ CD-ROM, Grades 1, 2, 3, 4, 5, 6
Math Interactive CD-ROM, Grades 3, 4, 5, 6
Scott Foresman mathSURF Web Site – www.mathSURF.com, Grades K-6

RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS

DISCLAIMER: The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor the Kentucky Department of Education.

***NOTE:** Please complete this section by indicating the research data and evidence of effectiveness or give a web site where the information is located. If there is no research data and evidence of effectiveness, please indicate “not available” in the space.*

Research on Effectiveness of Scott Foresman Addison Wesley

For the past four years, Scott Foresman has conducted ongoing studies of the classroom effectiveness of its programs. A database of districts and schools that have *adopted Scott Foresman Addison Wesley Mathematics* is continually updated. Publicly available test information is compiled for each user of one of these mathematics text series. The methodology is as follows:

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Research on Effectiveness of Scott Foresman Addison Wesley Mathematics

Most states publish, on their State Department of Education websites, representative test score information in the key subject areas of Reading and Mathematics. The measures differ. Some states report national percentiles on norm-referenced tests. Some report the percentage of students that have achieved 'proficiency' on a state-mandated test. This test score information is updated yearly, as the most recent testing data become available.

Scott Foresman gathers and analyzes this publicly available testing information for all users of its products, and publishes the results in reports entitled "Evidence Base." Test score data for the period prior to the adoption of a particular Scott Foresman program is compared with test score data for the year(s) following the adoption. In a recently completed study, data confirmed that test scores improved significantly in 75% of districts studied. In a few districts test scores remained at pre-adoption levels. This was frequently the case when the pre-adoption scores were extremely high (over 85% of students achieved proficiency). In these cases, students retained their high level of achievement.

The documents resulting from these studies are available upon request from Scott Foresman. Two representative pages from the Evidence Base for *Scott Foresman Addison Wesley Mathematics* are reproduced on the following page.

The Scott Foresman Addison Wesley report includes data from a total of 19 states, with 57 districts represented.

Program Description/Textbook or Print Instructional Material

Vendor: Pearson Education, Inc., publishing as Scott Foresman

Web Address: www.scottforesman.com

Title: Investigations in Number, Data, and Space

Author: Russell, Mokros, and Goodrow

Copyright: 1998

Grade	ISBN	Title	List Price	Wholesale Price	Readability
K	0-7690-0359-1	Kindergarten Complete Program*	1562.50	1250.00	N/A
K	0-328-01882-1	Student Activity Booklet	6.19	4.95	N/A
1	1-57232-464-3	Grade 1 Complete Program*	1625.00	1300.00	1
1	0-201-37509-5	Student Activity Grade Level Package*	23.63	18.90	1
2	1-57232-025-7	Grade 2 Complete Program*	1562.50	1250.00	2
2	0-201-37510-9	Student Activity Grade Level Package*	31.50	25.20	2
3	1-57232-090-7	Grade 3 Complete Program*	2062.50	1650.00	3
3	0-201-37511-7	Student Activity Grade Level Package*	39.38	31.50	3
4	1-57232-091-5	Grade 4 Complete Program*	2062.50	1650.00	4
4	0-201-37512-5	Student Activity Grade Level Package*	43.31	34.65	4
5	1-57232-992-0	Grade 5 Complete Program*	2437.50	1950.00	5
5	0-201-37513-3	Student Activity Grade Level Package*	35.44	28.35	5

*See List below under **Content** for products in Program/Packages

FEATURES

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Content

- **Complete Program K-5 contains:** Curriculum Units Package, Assessment Sourcebook (1-5), Teacher's Resource Package, and Student Materials Kit
- **Student Activity Booklets contains:** all Student Sheets, Practice Pages and Resources Pages needed for individual student class work and homework

Kindergarten - Student Activity Booklets and Curriculum Units

Mathematical Thinking At Kindergarten – establishing classroom routines, exploring materials for math

Collecting, Counting, Measuring – exploring numbers through counting activities

How Many In All? – gaining a deeper understanding of numbers and number relationships

Pattern Trains and Hopscotch Path – investigating what makes a pattern

Making Shapes and Building Blocks – exploring two- and three-dimensional shapes

Counting Ourselves and Others – collecting information about themselves, their environment by counting

Investigations in Number, Data, and Space continued

Content

Grade 1 - Student Activity Booklets and Curriculum Units

Mathematical Thinking at Grade 1 – counting, comparing and combining in number, data, space

Building Number Sense – understanding numbers, number relationships, solving add/subtract problems

Number Games and Story Problems – solving addition and subtraction problems

Bigger, Taller, Heavier, Smaller – working with measurement

Quilt Square and Block Towns – exploring relationships among shapes and geometric patterns

Survey Questions and Secret Rules – identifying and describing attributes of various objects

Grade 2 – Student Activity Booklets and Curriculum Units

Mathematical Thinking at Grade 2 – counting and categorizing in number, data, space

Coins, Coupons, and Combinations – working with addition combinations of 10, doubles, doubles + or - 1

Putting Together and Taking Apart – working with “landmark” numbers such as 10, 25, and 100

Shapes, Halves and Symmetry – investigating the structure of 2- and 3-D shapes

Timelines and Rhythm Patterns – examining connections between time and “stories”

How Long? How Far? – measuring lengths using objects at school, home and in Geo-Logo computer program

Does It Walk, Crawl or Swim? – collecting, sorting and classifying real data

How Many Pockets? How Many Teeth? – collecting and representing numerical data

Grade 3– Student Activity Booklets and Curriculum Units

Mathematical Thinking at Grade 3 – solving problems in number, data, space

Landmarks in the Hundreds – build understanding of base-ten number system with “landmarks” 10, 25, 100

Combining and Comparing – develop addition/subtraction strategies; use estimation/strategies to check work

Things that Come in Groups – work with multiplication up to 12s, identify patterns, develop strategies

Fair Shares – Using fractions/mixed numbers to solve sharing problems and build wholes from fractional parts

Up and Down the Number Line – investigating numbers less than 0, net change, inverse relationships

Flips, Turns and Area – exploring shape, area and geometric motions

Turtle Paths – exploring lengths of paths, perimeter and turns

Exploring Solids and Boxes – sorting, building, and describing polygons and solids

From Paces to Feet – exploring measurement and simple statistics by measuring with measuring tools

Grade 4- Student Activity Booklets and Curriculum Units

Mathematical Thinking at Grade 4 – math. thinking, reasoning, communicating using various tools/models

Landmarks in the Thousands – exploring the structure of the systems through “landmarks” 100, 250, 1000

Money, Miles and Large Numbers – adding/subtracting decimals, and solving everyday money problems

Arrays and Shares – processes and applications of multiplication and division

Packages and Groups – extending concepts studied in Arrays and Shares

Different Shapes, Equal Pieces – representing fractions, finding equivalent fractions, and ordering fractions

Changes Over Time – exploring and representing changes

Sunken Ships and Grid Patterns – naming and locating points on a coordinate grid with ordered pairs

Seeing Solids and Silhouettes – exploring the relationship between 3-D objects and their 2-D representations

Three Out of Four Like Spaghetti – collecting, describing, displaying, comparing non-numerical data

The Shape of Data – recording, representing, and analyzing simple data sets about familiar situations

Grade 5- Student Activity Booklets and Curriculum Units

Mathematical Thinking at Grade 5 – extending understanding of base-ten number system

Building on Numbers You Know – computation/estimation with the 4 operations

Name That Portion – using models (grids, number lines, clocks) to find fraction, %, decimal equivalents

Patterns of Change – describing change

Measurement Benchmarks – learn about time, metric/Standard measure of weight

Picturing Polygons – constructing, applying, discussing, and evaluating mathematical definitions of polygons

Containers and Cubes – exploring volume, its relationships between shapes, structure of geometric solids

Data: Kids, Cats and Ads – comparing data sets by using “typical” values, such as median

Between Always and Never – examining likelihoods

Investigations in Number, Data, and Space continued

Student Experiences

Through inquiry and hands-on investigations students learn the skills and concepts of mathematics. Students are encouraged to think creatively, develop strategies, apply mathematical thinking, explain their thinking and explore multiple representations. Students work individually, in pairs, small groups and whole class. Varied and ongoing practice is provided through Ten Minute Math, games, work and practice sheets. Homework pages include Notes to Parents.

Assessment

Ongoing assessment opportunities allow students to show what they know and are able to do. Informal embedded assessments allow teachers to evaluate each student's understanding and document growth over time. The Assessment Sourcebook, End-of-Unit performance tasks assess the major mathematical objectives. Checklists of mathematical emphases in each unit are also provided in the Assessment Sourcebook

Organization

- Each Student Activity Booklet is organized by individual Curriculum Unit
- Curriculum Units contain student investigations, activities, Student, Resource and Practice Pages.
- Teacher Resource Kit contains additional materials for student investigations
- Student Materials Kit contains all manipulatives students need for investigations

Resource Materials

Teacher Resource Package:

Grade K; primary number cards (12 decks), pad of 1" graph paper

Grade 1; transparencies, black-line masters, attribute shape cards, primary number cards (12 decks), dot cards (12 decks), pad of primary hundreds charts, Family Letters (in 6 languages)

Grade 2; transparencies, black-line masters, overhead color tiles and pattern blocks, primary number cards (12 decks), pad of primary hundreds charts, pad of 1" graph paper, Yekti cards (6 decks), Family Letters

Grade 3; transparencies, black-line masters, array cards set A (16 sets), numeral cards (16 decks), pad of 3/4" graph paper (8.5" x 11"), pad of 3/4" graph paper (11" x 17"), pad of 1-cm graph paper, pad of hundred charts, pad of 1" graph paper, building straws (16 sets), elementary rulers (32), fraction dice, Family Letters

Grade 4; transparencies, black-line masters, pad of hundreds charts, array cards sets (16 sets), numeral cards (16 decks), pad of 3/4" and 1-cm graph paper, pad of geoboard paper, rulers (32), fraction dice, Family Letters

Grade 5; transparencies, black-line masters, overhead color tiles, posters, numeral cards (16 decks), 3-D patterns (16 sets), pad of million dots paper, pad of 3/4" and 1-cm graph paper, Family Letters

Student Materials Kit: contains all manipulatives needed for student investigations. Quantities accommodate 24 students at grades K-2; 32 students at Grades 3-5.

Grade K; blank 1" cubes with stickers, color tiles, hundreds number wall chart, 2-color counters, paper pattern blocks, buttons, teddy bear counters, jar with lid, geoblocks, wooden pattern blocks, Snap cubes

Grade 1; adding machine tape, dot cubes, logic block desk set, coins, hundreds number wall chart, color tiles, mini-balances, number cubes, plastic hundreds number board with tiles, paper pattern blocks, kid pins kit, jars, funnels, plastic pennies, tote trays, geoblocks, wooden pattern blocks, Snap cubes

Grade 2; adding machine tape, blank cubes, with stickers, plastic coins, hundreds number wall chart with marker, mirrors, paper dollar bills, craft sticks, dot cubes, color tiles, color counters, paper pattern blocks, plastic pennies, geoblocks, wooden pattern blocks, Snap cubes

Grade 3; plastic coins, adding machine tape, pan balances, geometric solids sets, 50-cm rulers, number cubes, 1-cm cubes, color tiles, colored 1" cubes, wooden pattern blocks, Snap cubes

Grade 4; geometric solids, plastic coins, paper money bills, adding machine tape, 50-cm rulers, measuring tapes, lima bean seeds, color tiles, 1-cm cubes, wooden pattern blocks, Snap cubes

Grade 5; adding machine tape, blank cubes with stickers, 1-cm cubes, blank spinners, power polygons set, color tiles, Snap cubes, bar mass set, graduated measuring prisms, school balances, standard measuring pitchers, measuring tapes, yard/meter sticks

Investigations in Number, Data, and Space continued

Gratis Items To Be Provided And Under What Conditions

Investigations in Number, Data, and Space is a hands-on innovative program. All of the components used by the students are core products. No gratis components are available with this program.

Available Ancillary Materials

Spanish Materials, K-5
Staff Development, K-5

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Research Data and Evidence of Effectiveness

Impact Data: <http://www.terc.edu/investigations/impact/html/impact-map.html>

Evidence Based Student Progress/Achievement Data available from Scott Foresman upon request

INVESTIGATIONS IN NUMBER, DATA AND SPACE

Investigations is an innovative hands-on Math Program. The materials used by teachers and students are not hardbound books, therefore a Form B is not applicable.

Pearson Education, Inc., publishing as Scott Foresman warrants all Investigations products and will replace if found defective, upon receipt.