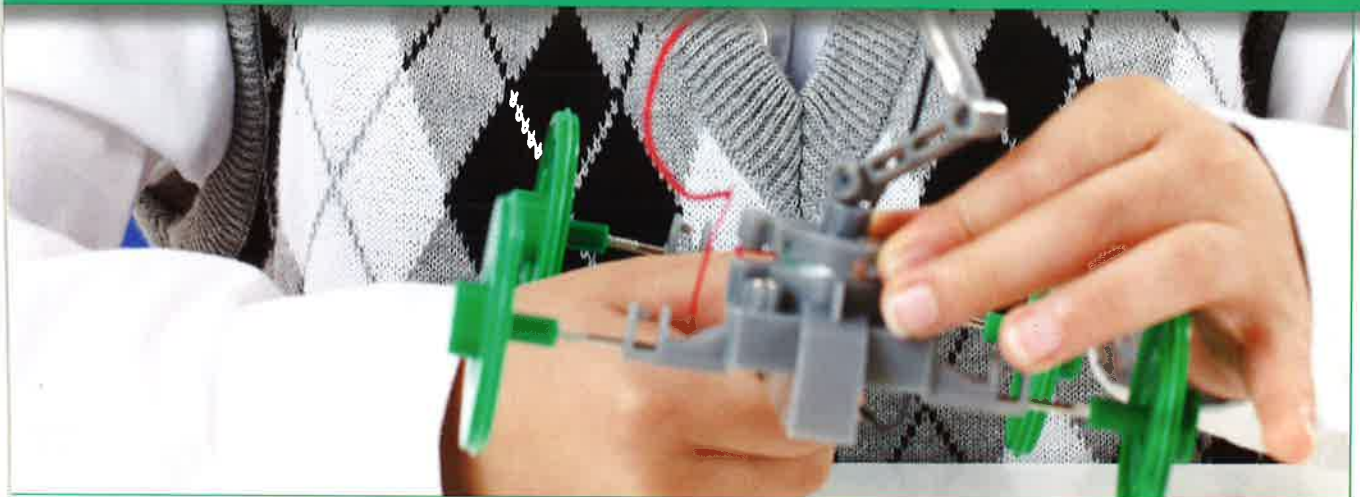




Homeschool Grades K-12 2016  
**Inspiring Curiosity**



# The Saxon Philosophy

You can be the best math teacher your child ever had.

**Saxon®** can give you the program you need to be the math teacher your child deserves.

**Saxon Math™ Homeschool** is the nation's best-selling, most comprehensive, and most thoroughly researched math program for homeschoolers today. Each program is based on over 30 years of research and teaching success. With Saxon, you can help your child develop a complete mastery of math language and concepts, from kindergarten to advanced high school levels.

**With Saxon, every parent can be a master teacher.** **Saxon Math** Homeschool programs work because they provide a unique, proven method for teaching math:

- ✓ Multisensory methods to help abstract math concepts come alive.
- ✓ Easy-to-follow, scripted lessons that provide you with the best and most effective teaching techniques.
- ✓ An incremental, "building block" approach so students are well-prepared for each new concept.
- ✓ Steady, continual practice for long-term retention of math knowledge and skills.
- ✓ Frequent, accumulative assessments to track and acknowledge your child's special achievements.

**Structured lesson plans.** Each **Saxon Math** lesson follows a consistent approach:

1. Warm-Up promotes mental math and problem-solving skills in the primary and middle grades.
2. New concepts introduce new material.
3. Lesson Practice provides solid practice on new material.
4. Mixed Practice brings everything together with problems involving past and current concepts.

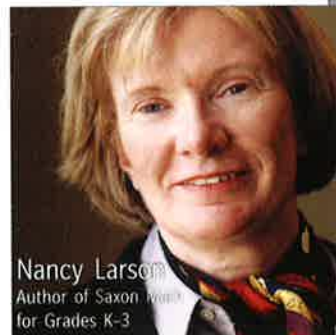
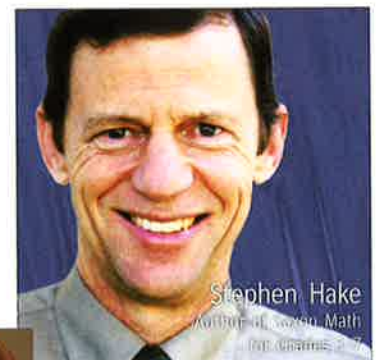


**For you—an effective, easy-to-teach program.** The structured approach of Saxon programs makes them very effective and easy to use. Parents say that our program design allows them to work smarter, not harder, to accomplish results. The teacher's manuals (available for all lower grades) contain carefully scripted lessons that provide language and questioning strategies appropriate for each level.

**For your child—solid results that can last a lifetime.** Over the years, Saxon has become the premier choice in countless homes around the country for one simple reason: "Saxon works." Results are specific and tangible—including higher test scores—so you can see exactly how well your child is progressing.

Younger children gain a firm, foundational understanding of math. Older children can prepare for college-level math or college entrance exams such as the SAT® or ACT®. Children at every level can learn to approach complex problems with confidence—a lasting benefit they take with them into the world.

## Saxon Math Authors



# Saxon works!

# 2016 K–12 Homeschool Catalog

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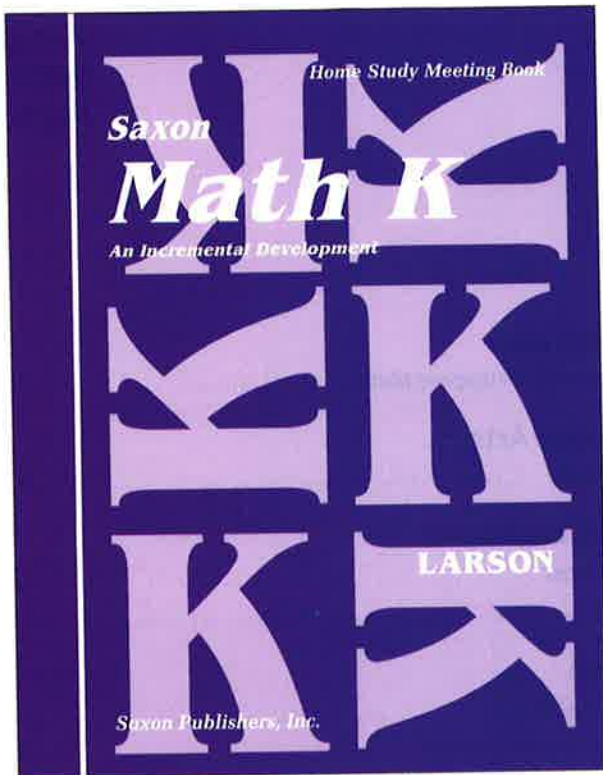
### A “Top Pick”



Cathy Duffy's 102 Top Picks For Homeschool Curriculum is used by homeschooling families everywhere to find the “best of the best” in education resources. Ms. Duffy is a popular and widely respected homeschooling writer, researcher, speaker, and curriculum specialist.

The bright red apple can be found throughout this catalog, identifying products that have been included in Ms. Duffy's latest release.





## Math K

### THE COMPLETE Homeschool PROGRAM

Start your child off the right way in math with a clearly designed, hands-on program already proven by thousands of homeschoolers across the country. **Math K** helps you teach the foundational skills that children require, including oral counting; recognizing and sequencing numbers; acting out addition and subtraction stories; counting with one-to-one correspondence; identifying and counting pennies, nickels, and dimes; sorting; telling time to the hour; and using a calendar.

**Math K** includes everything you need to teach kindergarten math concepts to your child.

#### With Math K-3 programs, you can:

- Provide an effective, multisensory approach for your child.
- Fully integrate hands-on experiences and exploration.
- Strengthen your child's abilities through steady practice.
- Nurture confidence with a gradual, "building block" approach.

"Our daughter is receiving an excellent grounding in her math skills because she's using your course. Thank you so much!"

—**Joanna Ezrin-Schauer**,  
Homeschool Parent,  
Sherman Oaks, California

1st Edition  
112 Lessons  
Teacher's Manual  
Student's Meeting Book  
Manipulatives Kit

# contents

## Homeschool Kit

### Teacher's Manual

- 112 Lessons
- Step-by-step instructions and scripts
- Usable in successive years with the purchase of new meeting books
- Oral Assessment Recording Forms
- Student Masters (can be copied for repeated use)
- Optional Handwriting Masters
- Spiral-bound to lie flat when open
- 439 pages

### Student's Meeting Book

- Used for the daily opening exercise
- Provides a colorful way to teach the days, years, and dates

## Additional Materials

### Manipulatives

- 450 objects and counting games for "hands-on" learning
- Used in all **Saxon Math K-3** programs
- Includes a convenient storage container
- Usage instructions included in Teacher's Manual

## Saxon—your homeschooling partner!

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

buy the  
kit &  
save!

# price list

## Math K

Product	ISBN	Price
Complete Homeschool Kit	978-1-565-77017-1	80.45

## Individual Kit Components

Homeschool Teacher's Manual	978-1-565-77010-2	75.40
Student's Meeting Book	978-1-565-77021-8	17.25

## Additional Materials

Manipulatives Kit	▲ 978-0-547-31716-8	98.20
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## A thorough yet friendly method

**Saxon Math's** unique approach can help your child gain—and retain—essential math skills.

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular oral assessments

## Visit [hmhco.com/homeschool](http://hmhco.com/homeschool)

- Find the right teaching level for your child with FREE Saxon placement tests and guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the **Math K-3** Scope and Sequence.

▲ **WARNING: CHOKING HAZARD—Small Parts** Not for children under 3 yrs

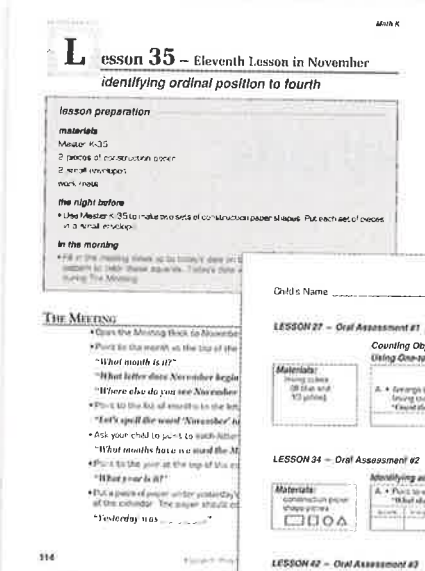
# featured resources



## Manipulatives Kit for K-3

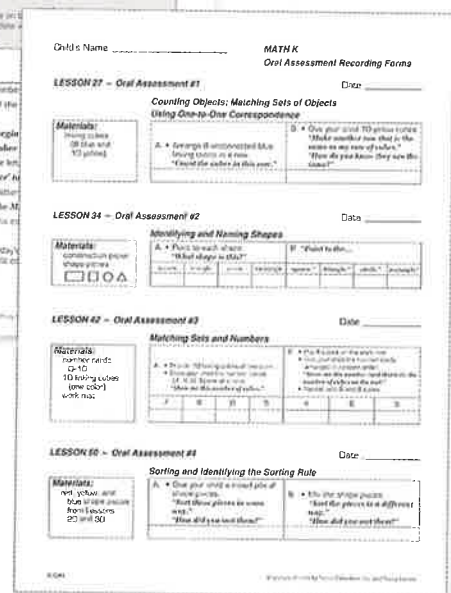
Accelerate understanding of abstract math concepts with these colorful games, charts, and counting aids. Especially appropriate for "hands-on" learners, the kit includes 450 pieces—a student clock, teddy bear counters, color tiles, dominoes, geo boards, 100 number chart, and much more—all in a convenient storage container. Easy instructions are included in the Teacher's Manual.

From Teacher's Manual, Lesson 35, pg. 114.

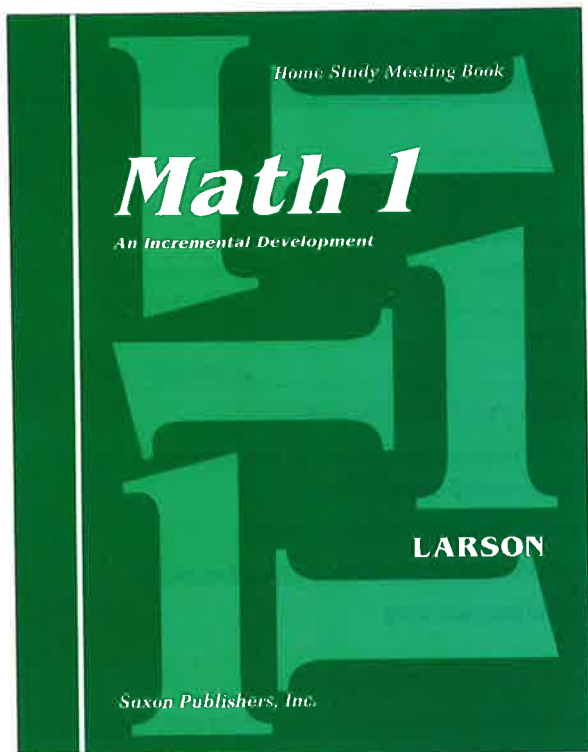


Math K Teacher's Manual shows you exactly how to teach each lesson.

From Teacher's Edition, Appendix, Oral Assessment Recording Forms, K-OA1.



Oral assessments provide easy yet accurate testing.



# Math 1

## THE COMPLETE Homeschool PROGRAM

Building directly on **Math K**, **Math 1** establishes a solid understanding of basic math concepts, such as comparing and ordering numbers, mastering all basic addition facts and most basic subtraction facts, adding two-digit numbers without regrouping, naming fractions, and measuring with inches, feet, and centimeters. Your child will also learn to create, read, and write observations from real graphs, pictographs, and bar graphs.

**Math 1** teaches basic concepts with fun, effective methods.

### With **Math K-3** programs, you can:

- Provide an effective, multisensory approach for your child.
- Fully integrate hands-on experiences and exploration.
- Strengthen your child's abilities through steady practice.
- Nurture confidence with a gradual, "building block" approach.

1st Edition

130 Lessons

Teacher's Manual

Student's Meeting Book

Student Workbooks

Fact Cards

Manipulatives Kit

# contents

## Homeschool Kit

### Homeschool Teacher's Manual

- 130 Lessons
- Step-by-step instructions and scripts
- Pre-class preparation instructions
- A complete list of materials needed for each lesson
- Spiral-bound to lie flat when open
- 703 pages

### Student's Meeting Book

- Used for the daily opening exercise
- Provides a colorful way to teach the days, years, and dates

### Student Workbooks/Fact Cards

- All necessary student materials
- Bound in two workbooks
- Practice pages, masters, and fact cards

## Additional Materials

### Manipulatives

- 450 objects and counting games for hands-on learning
- Used in all Saxon Math K-3 programs
- Includes a convenient storage container
- Usage instructions included in Teacher's Manual

## Saxon supports you!

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

buy the  
kit &  
save!

# price list

## Math 1

Product	ISBN	Price
Complete Homeschool Kit	978-1-565-77018-8	122.30

## Individual Kit Components

Homeschool Teacher's Manual	978-1-565-77014-0	75.40
Student's Meeting Book	978-1-565-77022-5	17.25
Student Workbooks/Fact Cards	978-0-939-79881-0	34.85

## Additional Materials

Manipulatives Kit	▲ 978-0-547-31716-8	98.20
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## Saxon's proven approach

**Saxon Math's** unique approach helps children learn for a lifetime.

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular oral assessments

## Visit [hmhco.com/homeschool](http://hmhco.com/homeschool)

- Find the right teaching level for your child with FREE Saxon placement tests and guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the **Math K-3** Scope and Sequence.

MATHEMATICS  
grades K-3

# featured resources



## Manipulatives Kit for K-3

Proven tools for fast learning. See page 3 for details.

## Primary Grade Basic Facts

A comprehensive set of flash cards is included with all **Saxon Math** Homeschool Kits 1-3. *Basic Facts* help strengthen addition, subtraction, multiplication, and division skills. Comes with a variety of punch-out geometric shapes. (Sets are designed separately for each level.)

From Student's Meeting Book, pg. 14.

Math 1 - Meeting Book

### Pattern Block Shapes

triangle square parallelogram  
rhombus trapezoid hexagon

Color the triangle green.  
Color the square orange.  
Color the parallelogram blue.  
Color the rhombus tan.  
Color the trapezoid red.  
Color the hexagon yellow.

14

Lessons integrate writing numbers, drawing, sentences, and pictures.

From Teacher's Manual, Lesson 46, pg. 235.

Math 1

## Lesson 46

writing the number 42  
ordering containers by volume  
identifying one-cup liquid measure

**Lesson preparation**

**materials**

- 1 cup liquid measuring cup (preferably plastic)
- 5 empty containers
- basin, funnel, and newspaper
- water (enough to fill 3 gallons)
- food coloring (optional)
- measuring tape
- marker
- inking cubes (10 each of red, green, blue, yellow, and black)
- large hexagonal compasses on the floor or table to catch spills. A funnel can also be used to make pouring easier.
- Fact Sheet S 2 D

**The night before**

- Use five empty plastic containers. The containers should be of clearly different sizes if possible. Include half, quart, half gallon, and pint or half-pint containers. Wash, drain, sterilize, and dry. Tap or wash measuring bottles. Use the funnel. Finish up the lesson. Use a piece of tape and a marker to label the five containers A, B, C, D, and E.
- Highlight the 1-cup line on the measuring cup with tape or a marker.

**In the morning**

- Food coloring in the water makes the water level in the containers easier to see. Use 4 colors or place red compasses on the floor or table to catch spills. A funnel can also be used to make pouring easier.
- Write the following number pattern on the meeting strip.

16, 17, 18 \_\_\_\_\_  
Answer: 16, 17, 18, 19, 20, 21

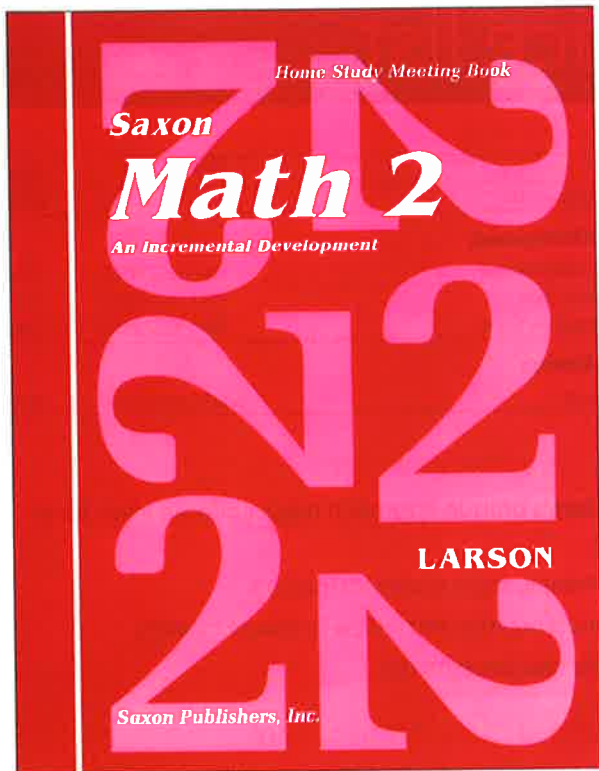
- Put 3 dimes in the coin cup.

235

Everything you need for preparation is listed in each lesson.

▲ **WARNING: CHOKING HAZARD—Small Parts** Not for children under 3 yrs





## Math 2

### THE COMPLETE Homeschool PROGRAM

Continuing and reinforcing the lessons in **Math 1**, **Math 2** covers a larger range of critical concepts, such as working with larger numbers, geometric shapes, Venn diagrams, graphs, basic arithmetic calculations, and simple fractions. With **Math 2**, your child is well on the way to successfully solving multi-step problems and mastering basic concepts.

**Math 2** is integrated with other levels for continuous progress.

#### **Math K-3 programs can help you:**

- Provide an effective, multisensory approach for your child.
- Fully integrate hands-on experiences and exploration.
- Strengthen basic skills with steady practice.
- Build your child's confidence with a "building block" approach.

1st Edition  
132 Lessons  
Teacher's Manual  
Student's Meeting Book  
Student Workbooks  
Fact Cards  
Manipulatives Kit



# contents

## Homeschool Kit

### Homeschool Teacher's Manual

- 132 Lessons
- Step-by-step instructions and scripts
- Pre-class preparation instructions
- A complete list of materials needed for each lesson
- Spiral-bound to lie flat when open
- 736 pages

### Student's Meeting Book

- Used for the daily opening exercise
- Provides a colorful way to teach the days, years, and dates

### Student Workbooks/Fact Cards

- All necessary student materials
- Bound in two workbooks
- Practice pages, masters, and fact cards

## Additional Materials

### Manipulatives

- 450 objects and counting games for hands-on learning
- Used in all Saxon Math K-3 programs
- Includes a convenient storage container
- Usage instructions included in Teacher's Manual

## Saxon supports you!

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

buy the  
kit &  
save!

# price list

## Math 2

Product	ISBN	Price
Complete Homeschool Kit	978-1-565-77019-5	122.30

## Individual Kit Components

Homeschool Teacher's Manual	978-1-565-77015-7	75.40
Student's Meeting Book	978-1-565-77023-2	17.25
Student Workbooks/Fact Cards	978-0-939-79882-7	34.85

## Additional Materials

Manipulatives	▲ 978-0-547-31716-8	98.20
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▲ **WARNING: CHOKING HAZARD—Small Parts** Not for children under 3 yrs

## A proven approach

**Saxon Math's** unique approach helps children learn for a lifetime.

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular oral assessments

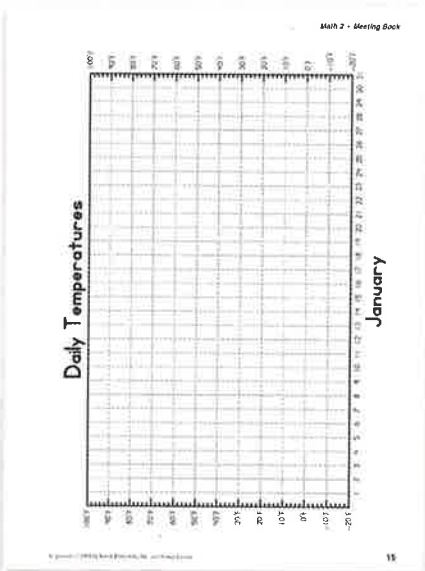
## Visit [hmhco.com/homeschool](http://hmhco.com/homeschool)

- Find the right teaching level for your child with FREE Saxon placement tests and guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the Math **K-3** Scope and Sequence.

MATHEMATICS  
grades K-3

# featured resources

From Student's Meeting Book, Daily Temperatures, pg. 15.



Lessons are drawn from daily activities and observations.

## Primary Grade Basic Facts

A comprehensive set of flash cards to strengthen skills in basic arithmetic operations. See page 5 for details.

From Student Workbook, Lesson 88A, pg. 2-88Wa.

Both text and visuals work together to teach critical concepts.

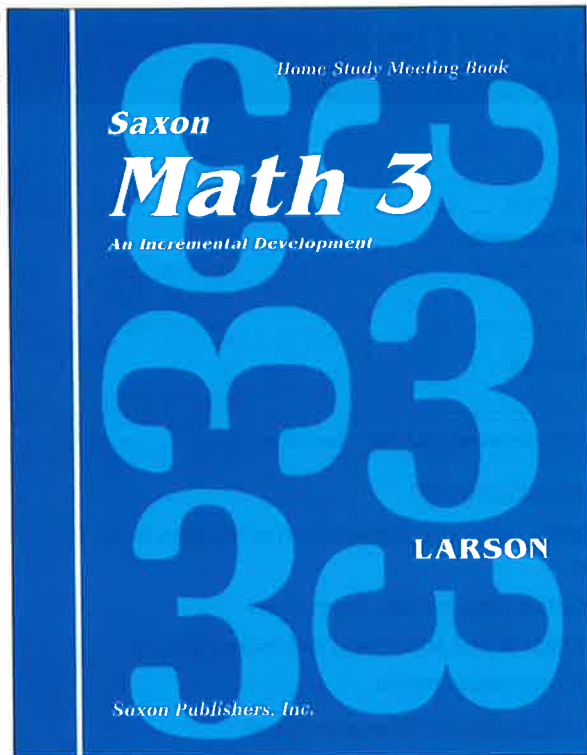
From Teacher's Manual, Lesson 88, pg. 475.

Each lesson is divided into incremental, "bite-sized" concepts.

## Manipulatives Kit for K-3

Proven tools for fast learning. See page 3 for details.

Saxon Math—Primary Grades



**Math 3** helps children master all basic addition, subtraction, multiplication, and division facts.

1st Edition

140 Lessons

Teacher's Manual

Student's Meeting Book

Student Workbooks

Fact Cards

Manipulatives Kit

## Math 3

### THE COMPLETE Homeschool PROGRAM

**Math 3** uses simulations and games to help third-grade students understand and practice new concepts. Social studies and science connections are stressed. Your child can learn to:

- Skip-count by whole numbers
- Compare and order numbers
- Identify ordinal position to the twentieth
- Identify and complete patterns
- Add and subtract multidigit numbers
- Divide by single-digit divisors
- Add positive and negative numbers
- Picture, name, and order fractions
- Add and subtract fractions with common denominators
- Understand and calculate measurements
- Compare and measure mass
- Identify function rules
- Graph ordered pairs on a coordinate graph
- Identify angles
- Identify lines of symmetry
- And much more

#### **Math K-3 programs can help you:**

- Provide an effective, multisensory approach for your child
- Fully integrate hands-on experiences and exploration
- Strengthen basic skills with steady practice
- Build your child's confidence with a "building block" approach

# contents

## Homeschool Kit

### Homeschool Teacher's Manual

- 140 Lessons
- Step-by-step instructions and scripts
- Pre-class preparation instructions
- A complete list of materials needed for each lesson
- Spiral-bound to lie flat when open
- 843 pages

### Student Meeting Book

- Used for the daily opening exercise
- Provides a colorful way to teach the days, years, and dates

### Student Workbooks/Fact Cards

- All necessary student materials
- Bound in two workbooks
- Practice pages, masters, and fact cards

### Additional Materials

- Manipulatives
- 450 objects and counting games for hands-on learning
  - Used in all Saxon Math K–3 programs
  - Includes a convenient storage container
  - Usage instructions included in Teacher's Manual

## Saxon supports students and parents alike!

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

buy the  
kit &  
save!

# price list

## Math 3

Product	ISBN	Price
Complete Homeschool Kit	978-1-565-77020-1	126.05

## Individual Kit Components

Homeschool Teacher's Manual	978-1-565-77016-4	78.00
Student's Meeting Book	978-1-565-77024-9	17.25
Student Workbooks/Fact Cards	978-0-939-79883-4	34.85

## Additional Materials

Manipulatives	▲ 978-0-547-31716-8	98.20
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## A proven approach

**Saxon Math** helps raise math proficiency, level by level:

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular oral assessments

## Visit [hmhco.com/homeschool](http://hmhco.com/homeschool)

- Find the right teaching level for your child with FREE Saxon placement tests and guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the Math K–3 Scope and Sequence.

▲ **WARNING: CHOKING HAZARD—Small Parts** Not for children under 3 yrs

# featured resources

## Primary Grade Basic Facts

A comprehensive set of flash cards to strengthen skills in basic arithmetic operations. See page 5 for details.

## Manipulatives Kit for K–3

Proven tools for fast learning. See page 3 for details.

From Student Workbook, Lesson 33A, pg. 3-33Wa.

**LESSON 33A**  
Math 3

Name \_\_\_\_\_ (Draw a 3" line segment.)

Date \_\_\_\_\_ (Draw a 5" line segment.)

1. Tonia brushes her teeth once in the morning and once in the evening. How many times does she brush her teeth in one week?  
Number sentence:  $2 \text{ times} \times 7 \text{ days} = 14 \text{ times}$   
Answer: 14 times

2. What will be the date 3 days from today?

3. Put a point at 8 on each number line. Label it C. Put a point at 5 on each number line. Label it D.

4. Shade the thermometer to show 18° F.

5. Put a box around each dozen donuts. Put an X on a half dozen donuts in each box.

6. Write each answer.  
 $6 \times 10 = 60$     $24 \times 10 = 240$     $34 - 10 = 24$     $74 + 10 = 84$

7. Label each piece of the square. Write a fraction number sentence.

Children learn by applying math skills to daily activities.

From Teacher's Manual, Lesson 33, pg. 192.

**Lesson 33**  
writing fraction number sentences that equal one

**Lesson preparation**

Materials  
fraction bag from Lessons 11, 17, and 22  
one 8" x 10" sheet of paper square

paper  
scissors

Fact Sheet AA 0 1

**In the morning**

• Write the following in the pattern box on the meeting strip:

Answer: 55, 85, 75, 85, 95, 105, 115, 125, 135, 145   Rule: + 10

• Write 8.00 on the meeting strip.

• Write the following "Problem of the Day" on a 3" x 5" card:

Part 1: Use a pencil with eraser and a pencil with sharpener. How many pencils will the eraser use in one week?  
Answer: 14 pencils

• Put 2 donuts, 7 nickels, and 4 pennies in the coin cup.

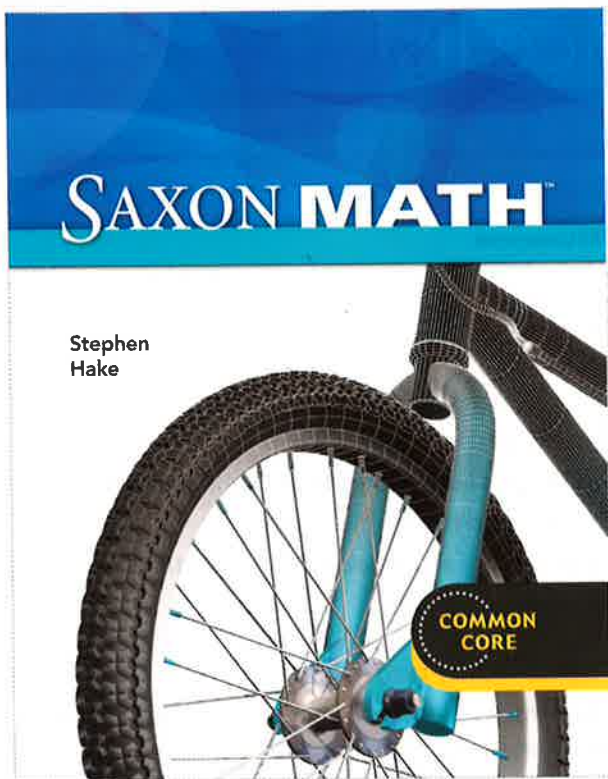
**THE MEETING**

**calendar**

• Ask your child to write the date on the calendar and the meeting strip.  
"What day of the week is it today?"  
"What are the days of the weekend?"  
"What day of the week will it be a week from today?"  
"How many days are there in a week?"  
• Repeat to ten weeks. Your child can use the 7 x counting strip for help.

Carefully scripted lessons help parents and children to work together successfully.





# Math Intermediate 3

Written by Stephen Hake, author of the Saxon Middle Grades program, **Math Intermediate 3** is ideal for students looking for a textbook approach that provides a smooth transition into **Math 5/4**. It is also helpful for students who are coming to Saxon from other programs.

**Math Intermediate 3** teaches mathematical concepts through informative lessons, helpful diagrams, and interactive activities and investigations—in-depth examinations of math topics for deeper understanding.

Math Intermediate 3 gives you a textbook option to prepare you for Middle Grades Math.

### This book includes the following concepts:

- Addition and subtraction fact families
- Drawing and comparing fractions
- Probability
- Estimating and calculating area
- Multiplication and division fact families
- Arrays
- Congruent Shapes
- Dividing two-digit numbers
- Capacity
- Polygons
- Multiplying three numbers
- Equivalent fractions
- Classifying angles
- Adding and subtracting multidigit numbers
- Estimating lengths and distances
- And much more

1st Edition  
110 Lessons  
11 Investigations  
Student Edition  
Solutions Manual  
Power Up Workbook  
Assessments



# contents

## Homeschool Kit

### Math Intermediate 3 Student Textbook (hardcover)

- 110 Lessons. Each daily lesson includes Power Up activities, teaching of the new concept with examples, and practice of new and previous material.
- 11 Investigations. Investigations are in-depth examinations of math topics that develop mathematical thinking through applications, activities, and extensions.
- 623 pages

### Math Intermediate 3 Homeschool Testing Book

- 21 Tests for homeschooling
- Answer Key for all homeschool tests

### Math Intermediate 3 Solutions Manual

- Full step-by-step solutions to all Lesson Practice problems
- Full step-by-step solutions to all Written Practice problems
- Full step-by-step solutions to all Investigations questions

### Math Intermediate 3 Power Up Workbook

- Contains consumable pages for students to complete Power Up exercises
- Includes Facts, Jump Start, Mental Math, and Problem Solving

## Additional Materials

### Written Practice Workbook

- Includes consumable worksheets for students to complete Written Practice problems

### Adaptations Student Workbook

- Consumable workbook containing adapted versions of the practice problems from the student textbook

### Student Reference Chart

- Includes easy access to formulas, helpful hints, and other reference tools for students

# price list

## Math Intermediate 3

Product	ISBN	Price
Complete Homeschool Kit	978-0-547-62586-7	121.20

## Individual Kit Components

Homeschool Testing Book	978-0-547-62583-6	22.00
Solutions Manual	978-1-600-32552-6	33.30
Power Up Workbook	978-1-600-32510-6	8.80

## Additional Materials

Written Practice Workbook	978-1-600-32680-6	11.50
Adaptations Student Workbook	978-1-600-32330-0	35.70
Student Reference Chart	978-1-602-77216-8	4.45

**Saxon Math Intermediate 3** is a comprehensive 3<sup>rd</sup> grade math curriculum that uses a textbook format. The program offers daily cumulative, mixed practice, and frequent assessment to continuously monitor student progress. Purposeful activities are embedded within lessons to help students make the transition from the concrete to the abstract.

MATHEMATICS  
grades 4-7

# featured resources

Each lesson begins with a Power Up to practice and reinforce foundational concepts.

Problem-solving practice happens every day.

From Intermediate 3 Student Edition, Lesson 7, pg. 38.

## Comparison Chart

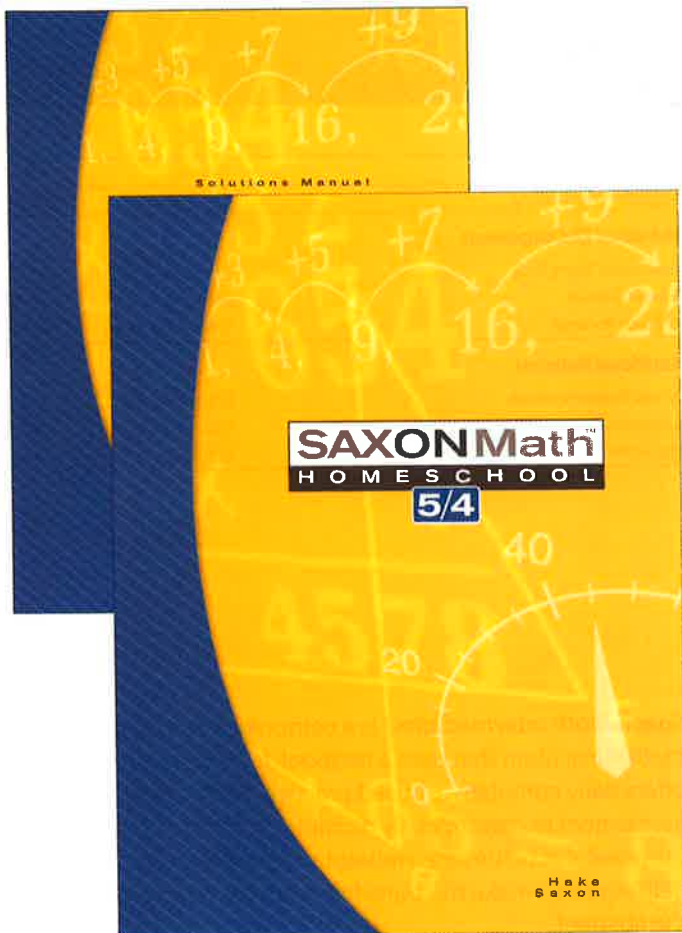
	Math 3 Primary	Math 3 Intermediate
Author	Nancy Larson	Stephen Hake
Lessons	140	110
Basis	Manipulative/ Workbook	Textbook
Parent Scripting	Yes	No
Lesson Warm Up	Meeting	Power Up
Investigations	No	Yes
Assessments	Oral and Written	Written Only
Assessment Frequency	Every 5 Lessons	Every 5 Lessons

## Proven methods for solid results

The **Saxon Math Homeschool** approach has been proven by thousands of homeschoolers from coast to coast:

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

Saxon Math—Middle Grades



# Math 5/4

for fourth grade

THE COMPLETE Homeschool PROGRAM

**Saxon Math Homeschool** for Middle Grades provides a structured series of levels to guide your child successfully from lower grades to high school algebra and advanced mathematics.

**Math 5/4** helps students extend their understanding of critical skills and concepts such as number sense, numeration, numerical operations, measurement and geometry, patterns, relationships, math functions, and data manipulation through charts.

With a Lesson, Investigation, or Test per weekday, a Middle Grade level can be completed in about seven months.

### The third edition of Math 5/4 includes topics such as:

- Word problems
- Arithmetic algorithms
- Geometry and measurement
- Elapsed time
- Fractions, decimals, and percents
- Negative numbers
- Powers and roots
- Estimation
- Patterns and sequences
- Statistics and probability

3rd Edition  
 120 Lessons  
 12 Investigations  
 Student Textbook  
 Tests and Worksheets  
 Booklet  
 Solutions Manual



"What level is best for my child?"

**Saxon Math Placement Tests** can be used to help find the best teaching level for your child. See [hmhco.com/homeschool](http://hmhco.com/homeschool) for details.



# contents

## Homeschool Kit

### Student Textbook

- Customized for homeschooling
- 12 Investigations and an Illustrated Glossary
- 120 Lessons. Each daily lesson includes warm-up activities, teaching of the new concept, and practice of new and previous material.
- Two-color format
- 627 pages

### Tests and Worksheets Booklet

- Testing schedule and 23 cumulative Tests
- Worksheets for one student for one year, including Facts Practice Tests and Activity Sheets
- Various Recording Forms for tracking student progress on assignments and tests

### Solutions Manual

- Full step-by-step solutions to all Lesson and Investigation problems
- Full step-by-step solutions to the 23 cumulative Tests
- Answers to Supplemental Practice Problems and Facts Practice problems

## Additional Materials

### Middle Grade Basic Fact Cards

- Flash cards for middle grade students needing additional practice in arithmetic
- Includes addition, subtraction, multiplication to the 9s, and division of two digits by one digit

## Flexible Saxon support

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

buy the  
kit &  
save!

# price list

## Math 5/4

Product	ISBN	Price
Complete Homeschool Kit	978-1-591-41347-9	100.75

## Individual Kit Components

Student Textbook	978-1-591-41317-2	52.65
Tests and Worksheets Booklet	978-1-591-41321-9	25.00
Solutions Manual	978-1-591-41325-7	32.45

## Additional Materials

Middle Grade Basic Fact Cards	978-1-565-77013-3	12.50
Saxon Teacher CD ROM	978-1-602-77387-5	99.00

## Children and parents agree—Saxon works!

**Saxon Math Homeschool** programs help ensure successful learning through:

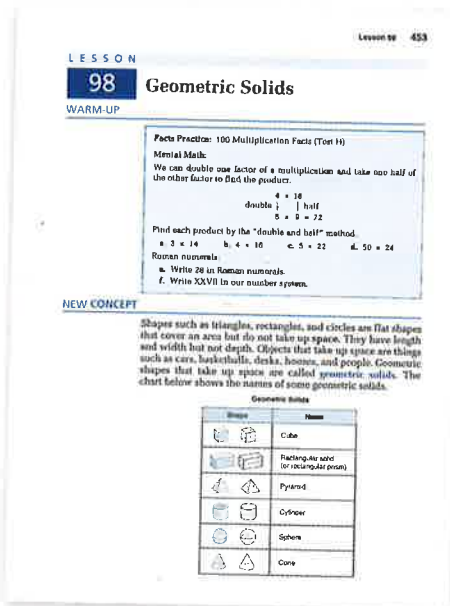
- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

## Visit [hnhco.com/homeschool](http://hnhco.com/homeschool)

- Find the right teaching level for your child with FREE Saxon placement tests and guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the Math Middle Grades Scope and Sequence.

# featured resources

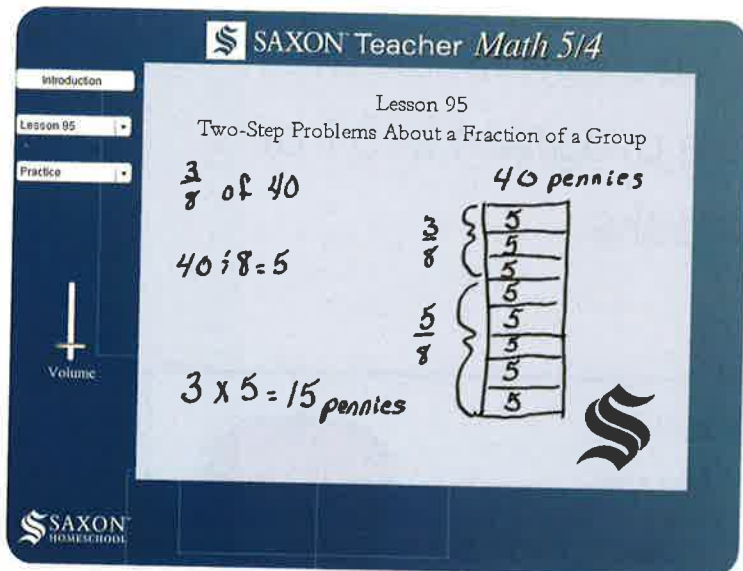
From Student Textbook, Lesson 98, pg. 453.



Geometry is an integrated part of all Middle Grade levels.

## Investigations

Middle Grade Textbooks include Investigations—in-depth examinations of math topics for deeper understanding. Investigations are often reinforced by exercises with Activity Sheets from the Tests and Worksheets Booklet.



The Saxon Teacher video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows® and Mac® formats.



## Math 6/5

for fifth grade

THE COMPLETE Homeschool PROGRAM

**Math 6/5** continues with concepts and practice introduced in **Math 5/4**, helping to extend a child's understanding, sharpen mental math skills, and deepen understanding. Lessons are fully integrated with geometry concepts appropriate to this level.

By completing one Lesson, Investigation, or Test per day, you can finish the entire program in 31 or 32 weeks.

### The third edition includes:

- Word problems
- Order of operations
- Integers
- Powers and roots
- Divisibility concepts
- Prime and composite numbers
- Ratios
- Patterns and sequences
- Statistics and probability

3rd Edition  
120 Lessons  
12 Investigations  
Student Textbook  
Tests and Worksheets  
Booklet  
Solutions Manual



# contents

## Homeschool Kit

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- Customized for homeschooling
- 12 Investigations and an Illustrated Glossary
- 120 Lessons: Each daily lesson includes warm-up activities, teaching of the new concept, and practice of new and previous material.
- Two-color format
- 712 pages

### Tests and Worksheets Booklet

- Testing schedule and 23 cumulative Tests
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## Additional Materials

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- Flash cards for middle grade students needing additional practice in arithmetic
- Includes addition, subtraction, multiplication to the 9s, and division of two digits by one digit

## Three ways to support your homeschooling

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

buy the  
kit &  
save!

# price list

## Math 6/5

Product	ISBN	Price
Complete Homeschool Kit	978-1-591-41348-6	100.75
<b>Individual Kit Components</b>		
Student Textbook	978-1-591-41318-9	52.65
Tests and Worksheets Booklet	978-1-591-41322-6	25.00
Solutions Manual	978-1-591-41326-4	32.45
<b>Additional Materials</b>		
Middle Grade Basic Fact Cards	978-1-565-77013-3	12.50
Saxon Teacher CD ROM	978-1-602-77388-2	99.00

## Proven methods for solid results

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MATHEMATICS  
grades 4-7

# featured resources

From Student Textbook, Lesson 23,  
pg. 111.

**LESSON 23 Recognizing Halves**

**WARM-UP**

**Facts Practice:** 90 Division Facts (Two D or E)

**Mental Math:** Count up by 8's from 3 to 31 (3, 11, 19, ...). Count up and down by 3's between 0 and 24.

a.  $10 \div 2$       b.  $10 \times 2$   
c.  $7 \div 30$  plus  $7 \div 5$       d.  $3 \times 25$   
e.  $6 \times 25$       f.  $200 \div 14$   
g.  $240 \div 12$       h.  $900 \div 140$   
i.  $6 \times 4 \div 12$       j.  $3 \times 1 \div 2$

**Problem Solving:**  
Dashed cutouts A, B, and C were from three pizzas: a car, a boat, and a page of a book. One pizza was halved each certain. List all the possible arrangements of pizzas behind the cutouts.

**NEW CONCEPT**  
Many fractions equal one half. Here we show five fractions equal to one half:

$\frac{1}{2}$      $\frac{2}{4}$      $\frac{3}{6}$      $\frac{4}{8}$      $\frac{5}{10}$

Notice that the numerator of each fraction is half the denominator.

$\frac{2}{4}$     Two is half of four.  
 $\frac{3}{6}$     Three is half of six.  
 $\frac{4}{8}$     Four is half of eight.  
 $\frac{5}{10}$     Five is half of ten.

A fraction is equal to  $\frac{1}{2}$  if the numerator is half the denominator. A fraction is less than  $\frac{1}{2}$  if the numerator is less than half the denominator. A fraction is greater than  $\frac{1}{2}$  if the numerator is more than half the denominator.

Lessons always begin with a Warm-Up to strengthen mental math and set the tone for the day's instruction.

From Student Textbook, Investigation 11,  
pg. 573.

**INVESTIGATION 11**

**Focus on**

**Scale Drawings**

A scale drawing is a picture or diagram of a figure that has the same shape as the figure but is a different size. Below is a scale drawing of the bedroom shared by Jane and Alicia. Notice the legend to the right of the picture. It shows that 1 centimeter in the picture represents 4 feet in the actual bedroom. The equivalence 1 cm = 4 ft is called the **scale**.

Since 1 cm in the picture represents 4 ft in the actual bedroom, we also know the following relationships:

2 cm represents 8 ft (since  $2 \times 4 = 8$ )  
3 cm represents 12 ft (since  $3 \times 4 = 12$ )  
4 cm represents 16 ft (since  $4 \times 4 = 16$ )  
5 cm represents 20 ft (since  $5 \times 4 = 20$ )

If we measure the picture, we find that it is 5 cm long and 3 cm wide. This means that the actual bedroom is 20 ft long and 12 ft wide.

1. What is the actual distance between the beds?
2. What is the actual length and width of the closet?
3. What is the actual area of the entire room? What is the area if you subtract the area of the closet?

Measurements in the picture may be fractions of centimeters. For example, a measurement of 0.5 cm ( $\frac{1}{2}$  cm) represents  $\frac{1}{2}$  of 4 ft. (Remember that the word *of*, when used with fractions, tells us to multiply.)

$\frac{1}{2}$  of 4 ft =  $\frac{1}{2} \times 4$  ft = 2 ft

Middle Grade Textbooks include Investigations—in-depth examinations of math topics for deeper understanding. Investigations are often reinforced by exercises with Activity Sheets from the Tests and Worksheets Booklet.

**SAXON Teacher Math 6/5**

Investigation 7  
Pattern Recognition

1, 1, 2, 3, 5, 8, 13, 21, 34

$5 + 8 = 13$   
 $8 + 13 = 21$   
 $13 + 21 = 34$

The **Saxon Teacher** video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.

Saxon Math—Middle Grades





# Saxon Math Intermediate 4 and Intermediate 5

Written by Stephen Hake, the Intermediate series is a comprehensive math curriculum that uses a textbook format. **Saxon Math Intermediate 4** is for students at the 4th grade level, and **Saxon Math Intermediate 5** is for students at the 5th grade level in math. The program offers daily cumulative, mixed practice, and frequent assessments to continuously monitor student progress. It also includes investigations for a more in-depth examination of math topics for deeper understanding as well as a variety of problem-solving strategies.



Comparison Chart	Math 5/4 and Math 6/5	Intermediate 4 and Intermediate 5
Author	Stephen Hake	Stephen Hake
Lessons	120	120
Format	Softcover	Hardcover
Early Finisher Problems	No	Yes
Saxon Teacher Support	Yes	Yes
4-Step Explicit Problem Solving Process	No	Yes

- 4th Edition
- 120 Lessons
- 12 Investigations
- Student Edition
- Solutions Manual
- Power Up Workbook
- Assessments

# contents

## Homeschool Kit

### Student Textbook (hardcover)

- 120 Lessons: Each daily lesson includes Power Up activities, teaching of the new concept with examples, and practice of new and previous material.
- 12 Investigations: Investigations are in-depth examinations of math topics that develop mathematical thinking through applications, activities, and extensions.
- Early Finisher problems: Enrichment in nature and have a real world connection. One included in the majority of lessons.
- Math Intermediate 4: 817 pages
- Math Intermediate 5: 858 pages

### Homeschool Testing Book

- 23 Tests for homeschooling
- Answer Key for all homeschool tests

### Solutions Manual

- Full step-by-step solutions to all Lesson Practice problems, Written Practice problems and Investigations questions

### Power Up Workbook

- Contains consumable pages for students to complete Power Up exercises which include Facts, Mental Math, and Problem Solving

## Additional Materials

### Written Practice Workbook

- Includes consumable worksheets of the Written Practice problems

### Adaptations Student Workbook

- Consumable workbook containing adapted versions of the practice problems from the student textbook

### Student Reference Chart

- Includes easy access to formulas, helpful hints, and other reference tools for students

# price list

## Saxon Math Intermediate 4

Product	ISBN	Price
Complete Homeschool Kit	978-0-544-13002-9	121.20

### Individual Components

Homeschool Testing Book	978-0-544-12942-9	22.00
Solutions Manual	978-1-600-32553-3	33.30
Power Up Workbook	978-1-600-32513-7	8.80

### Additional Materials

Written Practice Workbook	978-1-600-32682-0	11.50
Adaptations Student Workbook	978-1-600-32331-7	35.70
Student Reference Chart	978-1-600-32561-8	4.45
Intermediate 4 Saxon Teacher CD ROM	978-0-544-25322-3	99.00

## Saxon Math Intermediate 5

Complete Homeschool Kit	978-0-544-13020-3	121.20
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### Individual Components

Homeschool Testing Book	978-0-544-12990-0	22.00
Solutions Manual	978-1-600-32555-7	33.30
Power Up Workbook	978-1-600-32517-5	8.80

### Additional Materials

Written Practice Workbook	978-1-600-32685-1	11.50
Adaptations Student Workbook	978-1-600-32335-5	35.70
Student Reference Chart	978-1-600-32561-8	4.45
Intermediate 5 Saxon Teacher CD ROM	978-0-544-25318-6	99.00

MATHEMATICS  
grades 4-7

# featured resources

Each lesson begins with a Power Up so students reach a level of automatic recall with facts and mental math strategies.

**Lesson 39**  
Reading an Inch Scale to the Nearest Fourth

**Power Up**

**facts count aloud mental**

**Power Up E**  
Count by three. To add 99¢, think of an orange in four pieces of the orange. How many pieces of the orange do you have?

Daily problem-solving practice encourages students to use a variety of strategies.

**Lesson 86**  
Multiplying Fractions and Whole Numbers

**Power Up**

**facts mental math**

**problem solving**

Choose an appropriate strategy to solve this problem. The graph at right is based on estimates published by the Bureau of Economic Analysis. The graph shows the number of U.S. residents aged 65 and older.

**U.S. Residing Age**

We have found a fraction of a whole number by dividing the whole number by the denominator of the fraction.

## Saxon Math Intermediate 4

This hardbound textbook includes the following topics:

- Word problems
- Elapsed time
- Inverse operations
- Multiplying two- and three-digit numbers
- Mixed number and improper fractions
- Fractions, decimals, and percents
- Geometry and measurement
- Division with two- and three-digit answers
- Estimating perimeter, area and volume
- Probability
- And much more

## Saxon Math Intermediate 5

This hardbound textbook includes the following topics:

- Word problems
- Add, subtract, multiply, and divide whole numbers, decimals, fractions, and mixed numbers
- Equivalent fractions
- Convert between fractions, decimals, and percents
- Estimation
- Variables, expressions, and equations
- Geometry and measurement
- Probability
- And much more

# featured resources

## Saxon Teacher Video Supplement

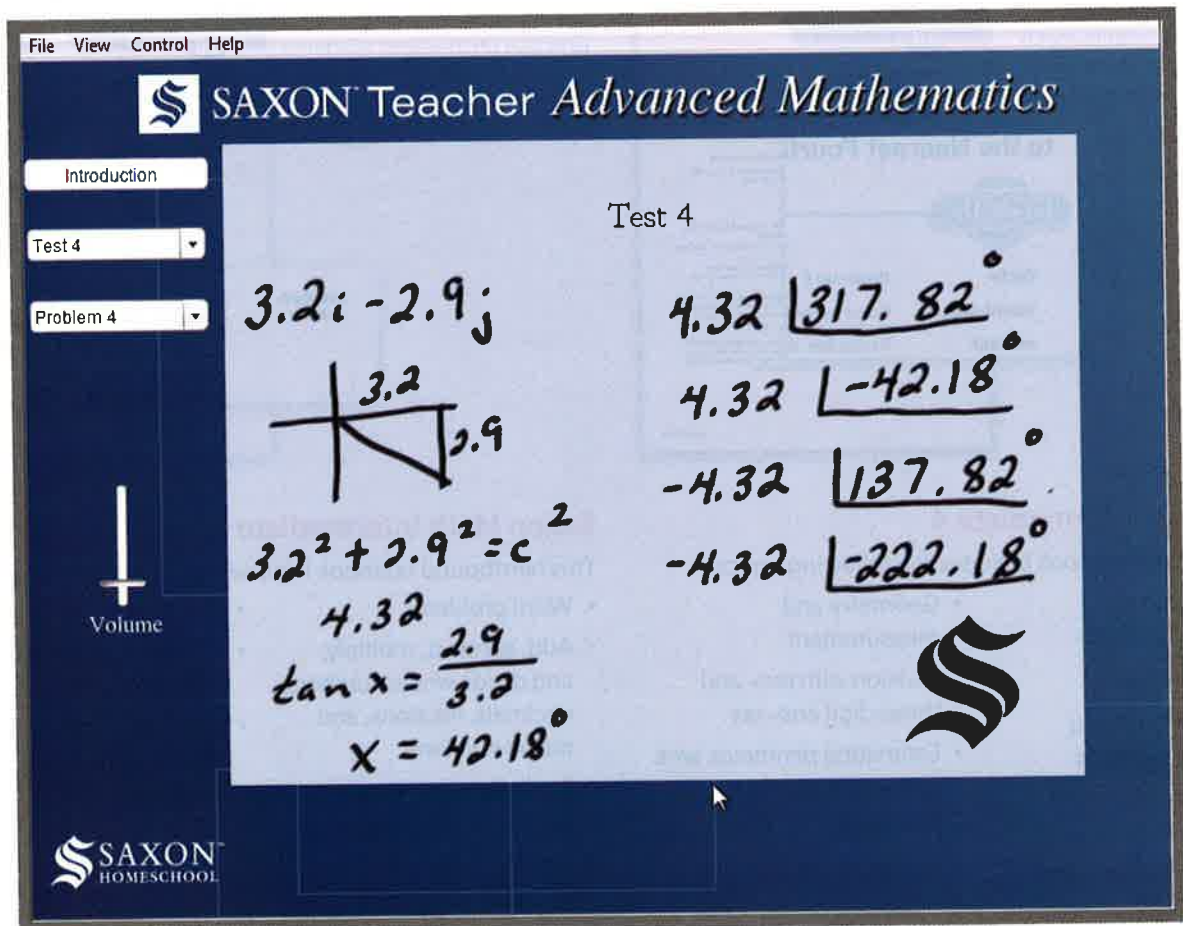
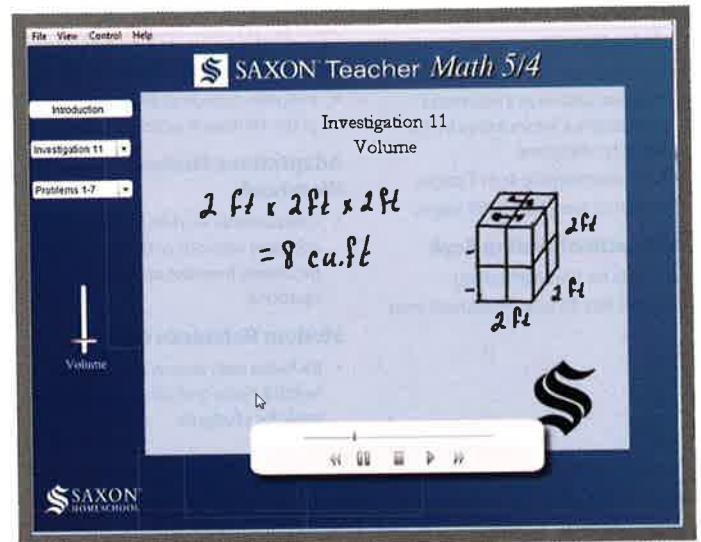
The Saxon Teacher video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.

Only official video supplement to the Saxon Math Homeschool program.

### Features:

- User-friendly CD format
- Reference Guide
- An experienced teacher:
  - Provides comprehensive instruction for each lesson and each investigation
  - Demonstrates step-by-step solution for every **example problem**
  - Demonstrates step-by-step solution for every **lesson practice problem**
  - Demonstrates step-by-step solution for every **mixed practice problem**
  - Demonstrates step-by-step solution for each **test problem**

Check out a video demonstration of  
Saxon Teacher at  
[hmhco.com/homeschool](http://hmhco.com/homeschool)

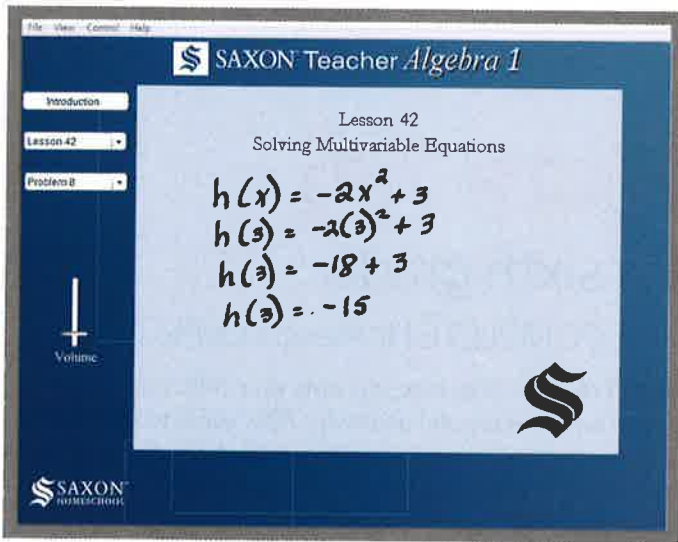




# price list

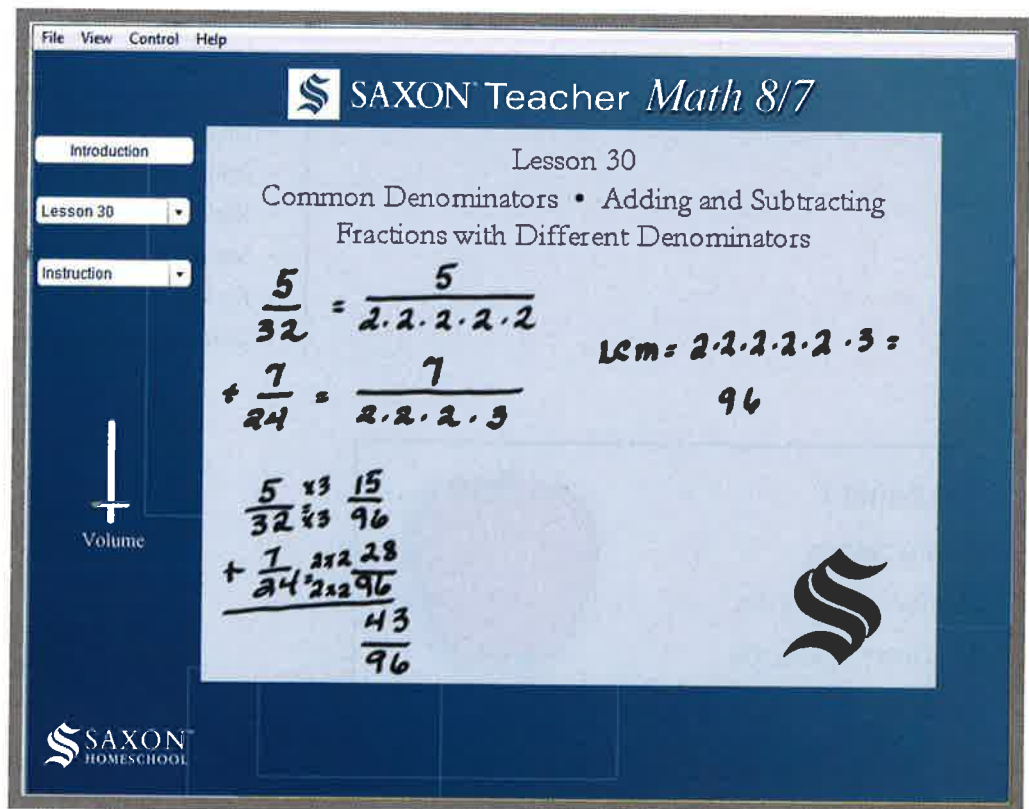
## Saxon Teacher Video Supplement

Product	ISBN	Price
Intermediate 4 Saxon Teacher CD ROM	978-0-544-25322-3	99.00
Math 5/4 Saxon Teacher CD ROM	978-1-602-77387-5	99.00
Intermediate 5 Saxon Teacher CD ROM	978-0-544-25318-6	99.00
Math 6/5 Saxon Teacher CD ROM	978-1-602-77388-2	99.00
Math 7/6 Saxon Teacher CD ROM	978-1-602-77389-9	99.00
Math 8/7 Saxon Teacher CD ROM	978-1-602-77390-5	99.00
Algebra 1/2 Saxon Teacher CD ROM	978-0-547-44313-3	99.00
Algebra 1 3rd Edition Saxon Teacher CD ROM	978-1-602-77365-3	99.00
Algebra 1 4th Edition Saxon Teacher CD ROM	978-0-544-25319-3	99.00
Algebra 2 3rd Edition Saxon Teacher CD ROM	978-1-602-77364-6	99.00
Algebra 2 4th Edition Saxon Teacher CD ROM	978-0-544-25320-9	99.00
Geometry Saxon Teacher CD ROM	978-0-547-44256-3	99.00
Advanced Mathematics Saxon Teacher CD ROM	978-1-602-77366-0	99.00



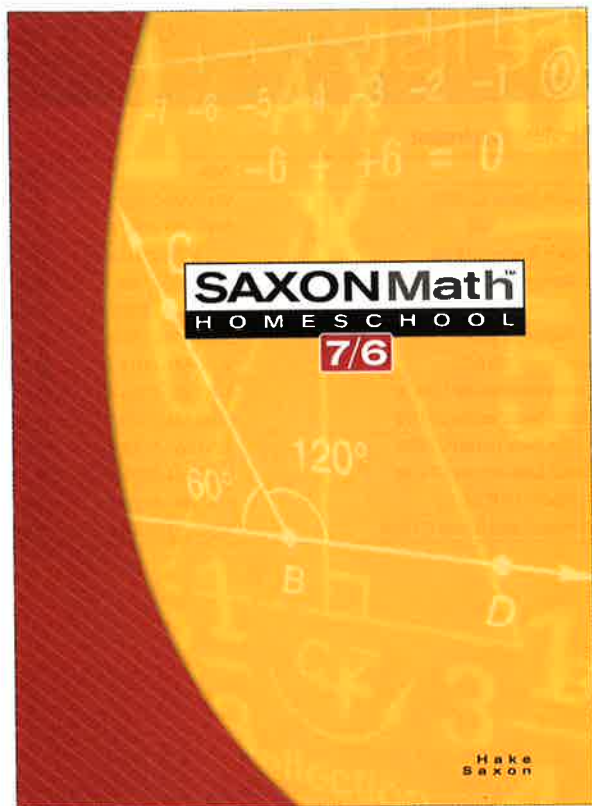
### Available for the following Saxon Titles

- Intermediate 4
- Math 5/4
- Intermediate 5
- Math 6/5
- Math 7/6
- Math 8/7
- Algebra 1/2
- Algebra 1 3rd Edition
- Algebra 1 4th Edition
- Algebra 2 3rd Edition
- Algebra 2 4th Edition
- Geometry
- Advanced Mathematics



MATHEMATICS  
grades 4-12

Saxon Math—Middle Grades



# Math 7/6

for sixth grade

THE COMPLETE Homeschool PROGRAM

**Math 7/6** introduces new concepts your child will need for upper-level algebra and geometry. After every tenth Lesson is an Investigation—an extensive examination of a specific math topic, discussed at length to ensure solid understanding.

Math 7/6 prepares students for high school math.

**The fourth edition includes:**

- Word problems
- Functions and coordinate graphing
- Integers
- Exponential expressions
- Divisibility concepts
- Prime factorization
- Ratios and proportions
- Statistics and probability
- Radius, circumference, and pi
- Complementary and supplementary angles

4th Edition

120 Lessons

12 Investigations

Student Textbook

Tests and Worksheets Booklet

Solutions Manual



# contents

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- Two-color format
- 744 pages

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## Have a question? Go online or give us a call.

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- ✓ Support by email
- ✓ Helpful customer service

# price list

## Math 7/6

Product	ISBN	Price
Complete Homeschool Kit	978-1-591-41349-3	112.10

### Individual Kit Components

Student Textbook	978-1-591-41319-6	52.65
Tests and Worksheets Booklet	978-1-591-41323-3	31.10
Solutions Manual	978-1-591-41327-1	38.75

### Additional Materials

Middle Grade Basic Fact Cards	978-1-565-77013-3	12.50
Saxon Teacher CD ROM	978-1-602-77389-9	99.00

## A unique approach that works

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

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MATHEMATICS  
grades 4-7

# featured resources

From Tests and Worksheets Booklet, Test 15, pg. 223.

**TEST 15** What is the Area Practice Test? (Use the Area of Polygons in This Investigation.)

1. What is the area of this parallelogram?

2. Janet bought a \$559 book. The tax was \$79. Her goal was a \$100 bill. How much more should she get back?

3. Compare  $\frac{2}{3}$  and  $\frac{3}{12}$ .

Refer to the coordinate plane on the right for problems 4 and 5.

4. Which point has the coordinates  $(-2, -3)$ ?

5. What are the coordinates of point G?

6. What is the name of a six-sided polygon?  
A. hexagon B. pentagon C. pyramid

7. Write the prime factorization of 56 and 72 to reduce  $\frac{56}{72}$ .

8. Write  $\frac{3}{4}$  in decimal form.

9. Write 185 as a decimal numeral and as a reduced fraction.

10. What is the least common multiple (LCM) of 4, 12, and 24?

11.  $8 \times 28 = 474$       12.  $3.7 \times 0.8$

13.  $12 \times 0.8$             14.  $36.5 \times 100$

15.  $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$         16.  $\frac{2}{3} \times \frac{1}{2} = \frac{1}{3}$

17.  $10 \frac{1}{2} - 3 \frac{1}{4}$         18.  $\frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$

19.  $6 \times \frac{1}{5}$               20. Write:  $100 - 2 = 98$

Saxon Math 7/6—Homeschool      223

From Student Textbook, Lesson 62, pg. 331.

**LESSON 62** Writing Mixed Numbers as Improper Fractions

**WARM-UP**

**Facts Practice:** 10 Fractions to Reduce (Test G)  
**Mental Math:** Count by 2's from 32 to 144.  
 a.  $5 \times 40$                       b.  $475 + 1200$   
 c.  $3 \times 88$                       d.  $64.50 + \$2.50$   
 e.  $\frac{1}{2}$  of 8400                    f.  $\frac{1}{2}$   
 g.  $8 \times 8$ ,  $6 \times 6$ ,  $4 \times 4$ ,  $2 \times 2$ ,  $0 \times 0$   
 h. Write your hands one last spot.

**Problem Solving:**  
 The average number of people in each of two areas is 27. If the people are separated into three new states of two, what will be the average number of people per area?

**NEW CONCEPT**

Here is another story about pies. In this story a mixed number is changed to an improper fraction.

There were  $3\frac{1}{2}$  pies on the shelf. The restaurant manager asked the server to cut the whole pies into sixths. Altogether, how many slices of pie were there after the server cut the pies?

We illustrate this story with circles. There were  $3\frac{1}{2}$  pies on the shelf.

**SAXON Teacher Math 7/6**

Introduction  
Lesson 34  
Introduction

**Lesson 34**  
Decimal Place Value

Handwritten notes on a screen showing a number line from 100 to 1000, with arrows indicating place value shifts. A calculator shows 1.4975 and a dollar sign.

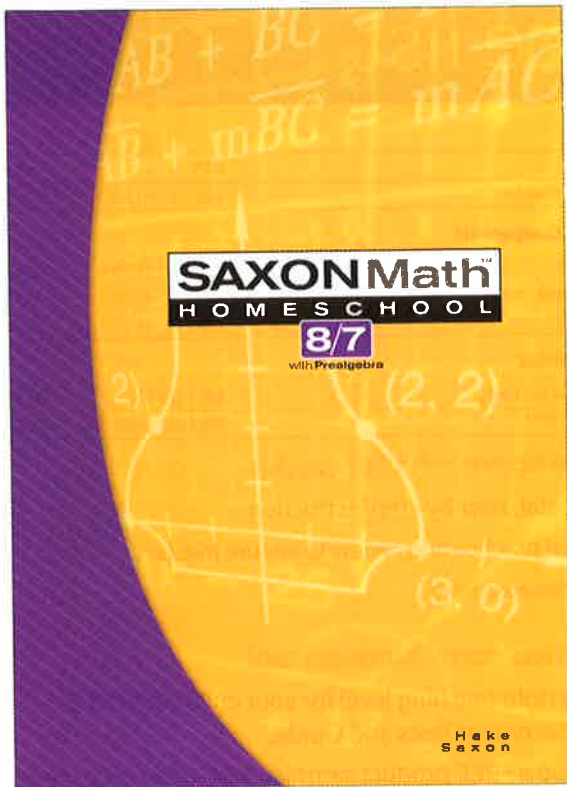
Regular testing helps verify progress and reduces the possibility of gaps in learning.

New concepts are introduced in easy, incremental steps.

The Saxon Teacher video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.

Saxon Math—Middle Grades





# Math 8/7

with Pre-Algebra

THE COMPLETE Homeschool PROGRAM

**Math 8/7** is the culmination of **Saxon Math Homeschool** for Middle Grades, reviewing arithmetic calculation, measurements, basic geometry, and other foundational concepts and skills. At the same time, **Math 8/7** includes extensive pre-algebra exercises, preparing the student for upper-level mathematics.

By completing one Lesson, Investigation, or Test per day, you can finish the entire program in 31 or 32 weeks.

### The third edition includes:

- Word problems
- Scientific notation
- Statistics and probability
- Ratios and proportions
- Simplifying and balancing equations
- Factoring algebraic expressions
- Slope-intercept form
- Graphing linear inequalities
- Arcs and sectors
- Pythagorean theorem

3rd Edition

120 Lessons

12 Investigations

Student Textbook

Tests and Worksheets

Booklet

Solutions Manual



# contents

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- 931 pages

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- Flash cards for middle grade students needing additional practice in arithmetic
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## Saxon at your service

- ✓ Online math practice
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# price list

### Math 8/7

Product	ISBN	Price
Complete Homeschool Kit	978-1-591-41350-9	112.10

### Individual Kit Components

Student Textbook	978-1-591-41320-2	52.65
Tests and Worksheets Booklet	978-1-591-41324-0	31.10
Solutions Manual	978-1-591-41328-8	38.75

### Additional Materials

Middle Grade Basic Fact Cards	978-1-565-77013-3	12.50
Saxon Teacher CD ROM	978-1-602-77390-5	99.00

## A structured approach, proven in the home

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

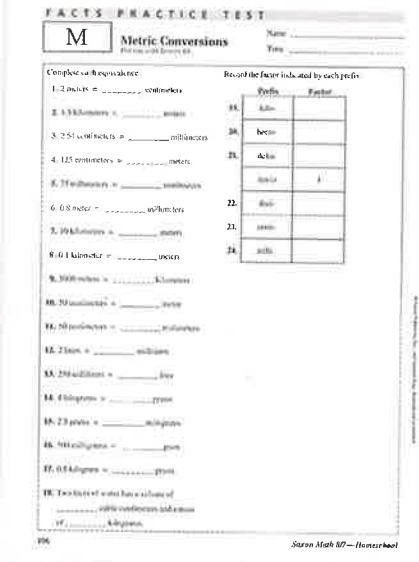
## Visit [hmhco.com/homeschool](http://hmhco.com/homeschool)

- Find the right teaching level for your child with FREE Saxon Placement Tests and Guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the Math Middle Grades Scope and Sequence.

MATHEMATICS  
grades 4-7

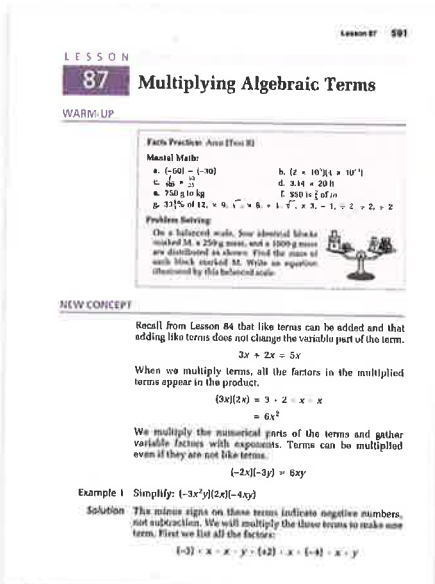
# featured resources

From Tests and Worksheets Booklet, Facts Practice Test M, pg. 106.

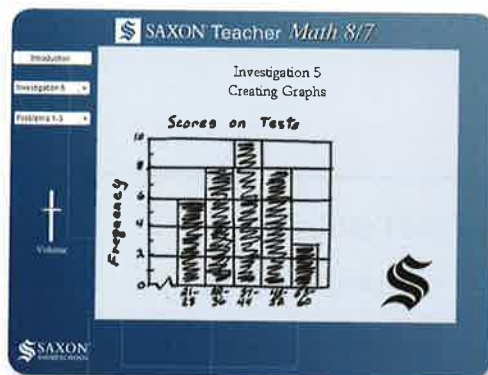


Students learn both U.S. and metric systems of measurement.

From Student Textbook, Lesson 87, pg. 591.

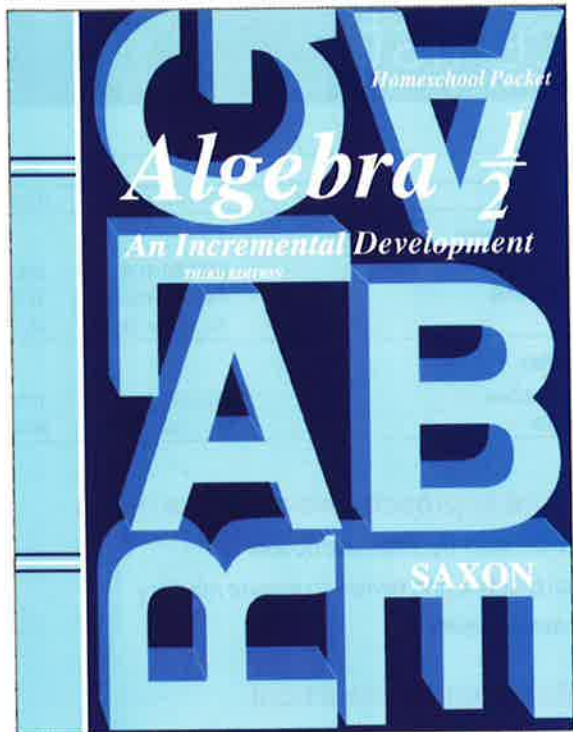


Concepts introduced in previous levels, like probability, are now discussed in more complex terms.



The Saxon Teacher video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.

Saxon Math—Middle Grades



## Algebra $\frac{1}{2}$

### THE COMPLETE Homeschool PROGRAM

**Algebra  $\frac{1}{2}$**  represents a culmination of pre-algebra mathematics, covering all topics normally taught in pre-algebra, as well as additional topics from geometry and discrete mathematics (used in engineering and computer sciences). This program is recommended for seventh-graders who plan to take first-year algebra in the eighth grade or for eighth-graders who plan to take first-year algebra in the ninth grade. With **Algebra  $\frac{1}{2}$** , children can deepen their understanding of pre-algebraic topics such as:

*Algebra  $\frac{1}{2}$*  thoroughly prepares the student for Upper Grade math.

- Fractions and their arithmetic operations
- Decimals and their arithmetic operations
- Mixed numbers and their arithmetic operations
- Signed numbers and their arithmetic operations
- Order of operations
- Percents
- Ratios and proportions
- Rounding
- Place value
- Unit conversions
- Scientific notation
- Evaluation and simplification of algebraic expressions
- Solutions for linear equations in one unknown
- Word problems involving algebraic concepts
- Advanced graphing
- Perimeters and areas
- Volumes
- Classification of geometric figures and solids
- Geometric construction
- Symmetry

3rd Edition  
 123 Lessons  
 10 Additional Topics  
 Answer Key and Tests  
 Extra Tests Book  
 Solutions Manual





# contents

## Homeschool Kit

### Student Textbook (Hardcover)

- 123 Lessons, plus 10 Additional Topics
- Glossary and Index
- Answers to odd-numbered problems
- 487 pages

### Homeschool Packet With Test Forms

- 31 Test Forms for homeschooling
- Answer Key to all Student Textbook Practices, Problem Sets, and Additional Topic Practices
- Answer Key to all homeschool Tests

## Additional Materials

### Algebra ½ Solutions Manual

- Solutions to all Student Textbook Practices, Problem Sets, and Additional Topic Practices. (Early solutions contain every step. Later solutions omit obvious steps.)
- Final answers in bold type for easy, accurate grading

### Middle Grade Basic Fact Cards

- Flash cards for middle-grade students needing additional practice in arithmetic
- Includes addition, subtraction, multiplication to the 9s, and division of two digits by one digit

### Extra Test Forms

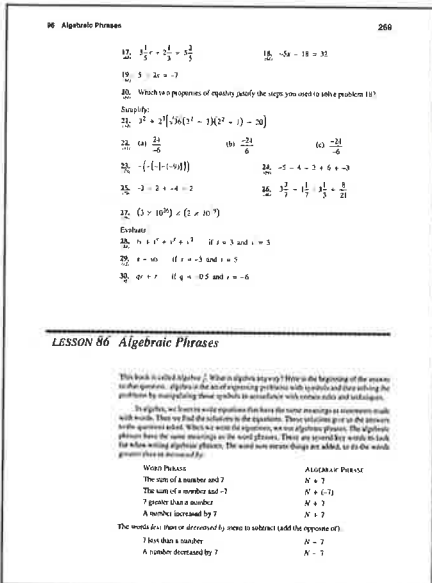
- Ideal for families with more than one child

## You can count on Saxon experts.

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

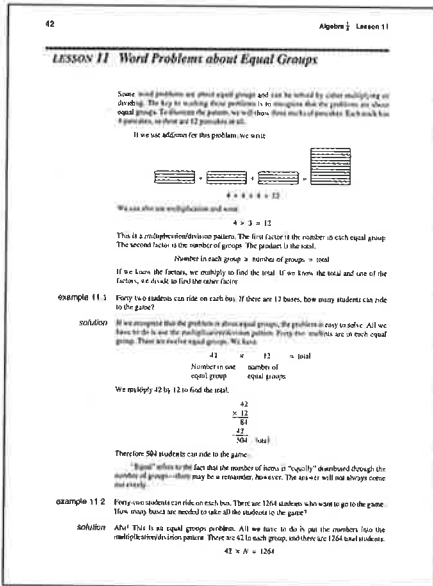
# featured resources

From Student Textbook, Lesson 86, pg. 269.



Students learn to express and then solve problems using algebraic symbols and phrases.

From Student Textbook, Lesson 11, pg. 42.



Words, pictures, and numbers are fully integrated for effective learning.

# price list

## Algebra ½

Product	ISBN	Price
Homeschool Kit	978-1-565-77499-5	87.50
Homeschool Kit with Solutions Manual	978-1-600-32970-8	125.45

## Individual Kit Components

Homeschool Packet with Test Forms	978-1-591-41172-7	24.85
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## Additional Materials

Solutions Manual	978-1-565-77131-4	47.15
Middle Grade Basic Fact Cards	978-1-565-77013-3	12.50
Extra Test Forms	978-1-591-41173-4	15.95
Saxon Teacher CD ROM	978-0-547-44313-3	99.00

## A structured approach that's ideal for homeschooling!

Saxon Math Homeschool programs help ensure successful learning through:

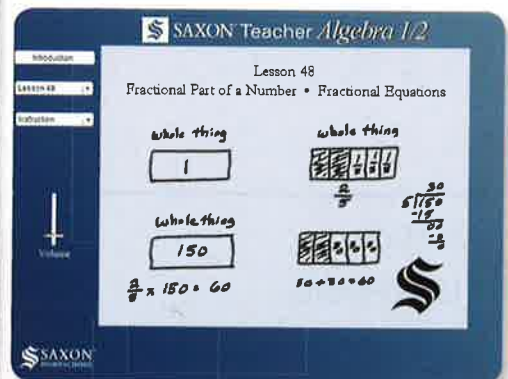
- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

## Visit [hmhco.com/homeschool](http://hmhco.com/homeschool)

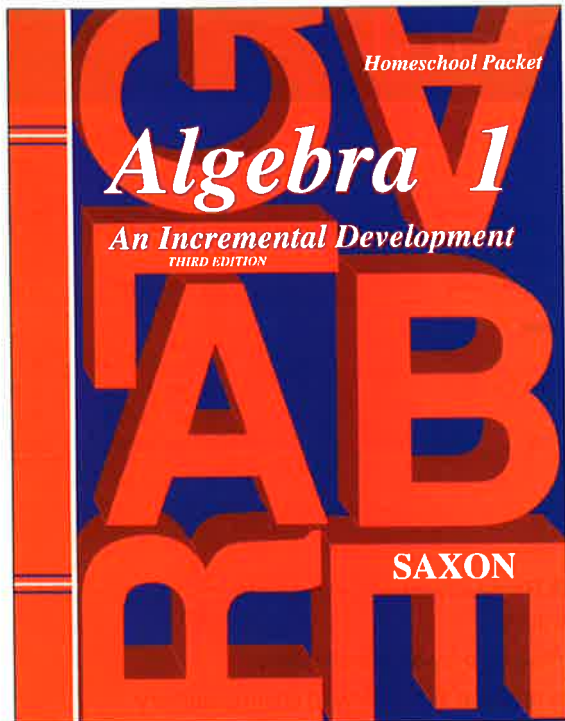
- Find the right teaching level for your child with FREE Saxon Placement Tests and Guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the **Algebra ½** Scope and Sequence.

## Additional Topics

Algebra ½ includes 10 Additional Topics for students wanting more information. Topics include geometric compressions, approximating roots, polynomials, advanced graphing, basic trigonometry, and more.



The Saxon Teacher video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.



# Algebra 1

## THE COMPLETE Homeschool PROGRAM

**Algebra 1** covers all topics in a first-year algebra course, from proofs, statistics, and probability to algebra-based, real-world problems. With **Algebra 1**, students begin developing the more complex skills and understanding required for high school level mathematics.

**Algebra 1** carefully guides the learner through a range of algebraic topics such as:

*Algebra 1* covers all first-year algebra topics.

- Arithmetic and evaluation of expressions involving signed numbers, exponents, and roots
- Properties of real numbers
- Absolute value
- Equations and inequalities involving absolute value
- Scientific notation
- Unit conversions
- Solution of equations in one unknown
- Solution of simultaneous equations
- The algebra of polynomials and rational expressions
- Word problems requiring algebra for the solution (such as uniform motion and coin problems)
- Graphs of a variety of functions: linear, quadratic, cubic, square root, absolute value, etc.
- Graphical solution of simultaneous equations
- Translations and reflections of graphs
- Factoring
- Pythagorean theorem
- Algebraic proofs
- Functional notation and functions
- Solution of quadratic equations by factoring, completing the square, and quadratic formula
- Direct and inverse variation
- Exponential growth
- Computation of the perimeter and area of two-dimensional regions
- Computation of the surface area and volume of a wide variety of geometric solids
- Statistics
- Probability

3rd Edition  
 120 Lessons  
 Answer Key and Test Solutions  
 Test Forms  
 Solutions Manual



# contents

## Homeschool Kit

### Student Textbook (Hardcover)

- 120 Lessons
- Glossary and Index
- Answer Key to all Student Textbook Practices and Problem Sets
- 564 pages

### Homeschool Packet With Test Forms

- 30 Test Forms for homeschooling
- Answer Key to all homeschool Tests
- Answer Key to all Student Textbook Practices and Problem Sets

## Additional Materials

### Algebra 1 Solutions Manual

- Solutions to all Student Textbook Practices and Problem Sets. (Early solutions contain every step. Later solutions omit obvious steps.)
- Final answers in bold type for accurate, efficient grading

### Saxon experts are ready to help you.

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

# price list

## Algebra 1

Product	ISBN	Price
Homeschool Kit	978-1-565-77123-9	87.50
Homeschool Kit with Solutions Manual	978-1-600-32971-5	134.40

### Individual Kit Components

Homeschool Packet with Test Forms (Hardcover Student Textbook not available for separate purchase)	978-1-565-77138-3	24.85
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### Additional Materials

Solutions Manual	978-1-565-77137-6	48.55
Homeschool Test Forms Only	978-1-565-77139-0	15.95
Saxon Teacher CD ROM	978-1-602-77365-3	99.00

## Proven, classic methods of instruction

Saxon Math Homeschool programs help ensure successful learning through:

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

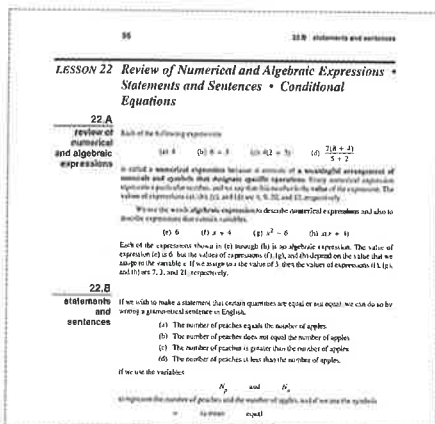
## Visit [hmhco.com/homeschool](http://hmhco.com/homeschool)

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- Download a FREE product sampler, with table of contents and sample lessons.
- View the Algebra 1 Scope and Sequence.

MATHEMATICS  
grades 8-12

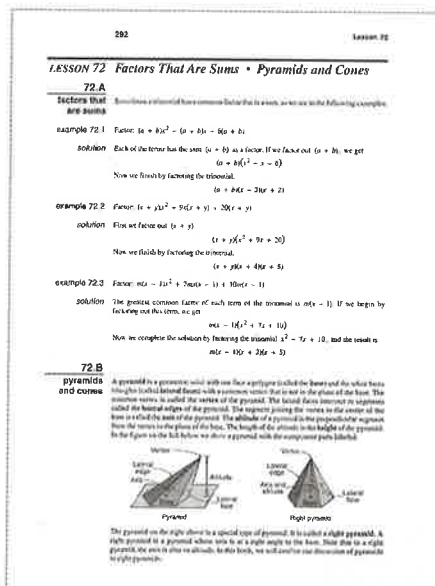
# featured resources

From Student Textbook, Lesson 22, pg. 95.

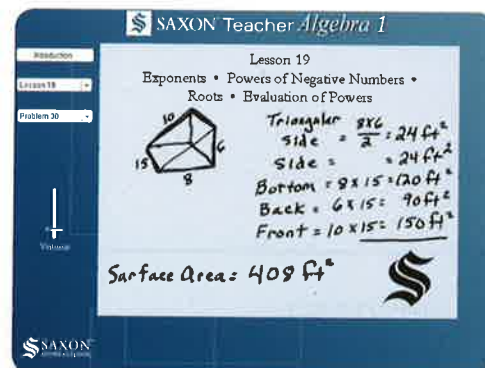


Lessons build on knowledge gained in Algebra ½.

From Student Textbook, Lesson 72, pg. 292.



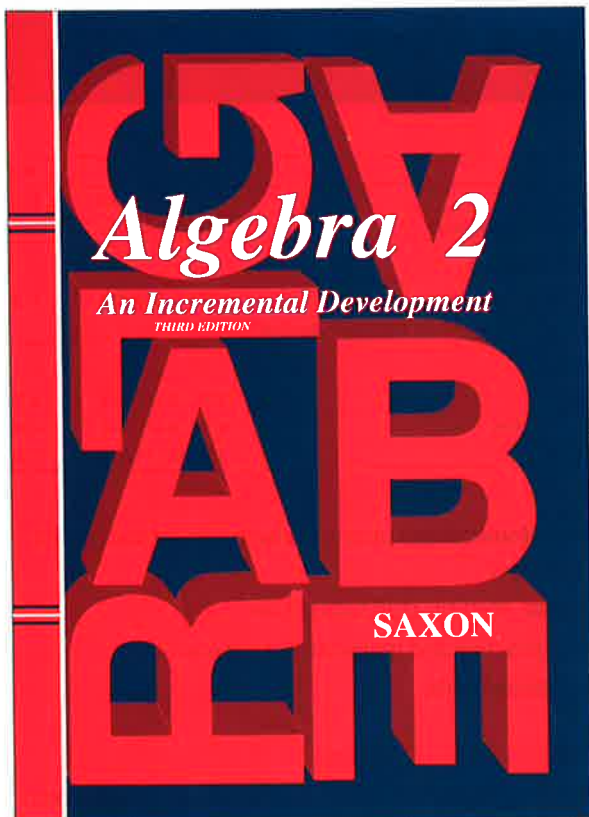
Repeated examples help clarify complex concepts.



The Saxon Teacher video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.

Saxon Math - Upper Grades





## Algebra 2

THE COMPLETE Homeschool PROGRAM

**Algebra 2** covers all topics that are traditionally covered in second-year algebra as well as a considerable amount of geometry. In fact, students completing **Algebra 2** will have studied the equivalent of one semester of informal geometry. Time is spent developing geometric concepts and writing proof outlines. Real-world problems are included along with applications to other subjects such as physics and chemistry.

**Algebra 2** provides an in-depth treatment of topics such as:

- Graphical solution of simultaneous equations
- Scientific notation
- Radicals
- Roots of quadratic equations including complex roots
- Properties of real numbers
- Factoring
- Inequalities and systems of inequalities
- Logarithms and antilogarithms
- Conic sections
- Exponential equations
- Basic trigonometric functions
- Algebra of polynomials
- Vectors in polar and rectangular form
- Algebraic word problems

3rd Edition

129 Lessons

Answer Key

Test Forms and Solutions

Solutions Manual



# contents

## Homeschool Kit

### Student Textbook (Hardcover)

- 129 Lessons
- Glossary and Index
- Answer Key to all Student Textbook Problem Sets
- 577 pages

### Homeschool Packet With Test Forms

- 32 Test Forms for homeschooling
- Answer Key to all homeschool Tests
- Answer Key to all Student Textbook Problem Sets

## Additional Materials

### Algebra 2 Solutions Manual

- Solutions to all Student Textbook Problem Sets. (Early solutions contain every step. Later solutions omit obvious steps.)
- Final answers in bold type for accurate, efficient grading

## We homeschool with you.

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

# price list

## Algebra 2

Product	ISBN	Price
Homeschool Kit	978-1-600-32016-3	87.50
Homeschool Kit with Solutions Manual	978-1-600-32972-2	130.50

## Individual Kit Components

Homeschool Packet with Test Forms (Hardcover Student Textbook not available for separate purchase)	978-1-600-32117-7	24.85
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## Additional Materials

Solutions Manual	978-1-565-77143-7	52.45
Homeschool Test Forms Only	978-1-600-32014-9	15.95
Saxon Teacher CD ROM	978-1-602-77364-6	99.00

## Success with Saxon!

**Saxon Math Homeschool** programs help ensure successful learning through:

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

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- Download a FREE product sampler, with table of contents and sample lessons.
- View the Algebra 2 Scope and Sequence.

MATHEMATICS  
grades 8-12

# featured resources

From Student Textbook, Lesson 52, pg. 226.

**LESSON 52 Chemical Mixture Problems, Type A**

In chemical mixture problems, two different components are mixed to get a desired result. Often one of the components is water and the other is alcohol or iodine or another substance that is mixed with the water. The key equation in one of these problems comes from either constant. Thus, if the components are water and iodine, the statement can be made about water:

water poured in + water dumped in = water total

(Or the statement can be made about iodine.)

iodine poured in + iodine dumped in = iodine total

We will present our mixtures of these problems in two basic types. The first type is discussed in this lesson and the second type will be discussed in Lesson 61.

**example 52.1** A druggist has one solution that is 10% iodine and another that is 50% iodine. How much of each should the druggist use to get 100 mL of a mixture that is 20% iodine?

**solution** A picture is helpful.

As shown in the figure, we will pour in some of the 50% solution and dump in some of the 10% solution. We can think of this problem by considering either iodine or water. First we will work by considering only the iodine. Our equation in words is:

iodine poured in + iodine dumped in = iodine total

Next we write these sets of parentheses that we will use as "mixture equations":

$$x + 2y = 100$$

Many people find that using "mixture equations" is helpful, and the use of these equations is recommended. Since we got the equation in words in our case, we use  $P_1$  in the first one,  $P_2$  in the second one, and 100 in the third one:

$$P_1x + P_2y = 100$$

Next we multiply each set of parentheses by the proper decimal number so that each term represents only iodine.

$$(x) + 0.5(2y) = 0.2(100)$$

The equation has two unknowns, so we need one more equation. The equation is:

$$x + 2y = 100$$

We solve equation (b) and find that  $P_1 = 100 - 2y$ . Then we substitute  $100 - 2y$  for  $P_1$  in equation (a) and solve:

$$0.1(100 - 2y) + 0.5(2y) = 0.2(100)$$

0.100 - 0.2y + 1.0y = 0.200      equation (a)  
 0.100 - 0.2y + 1.0y = 0.200      subtracted  
 0 - 0.5y + 1.0y = 20              multiplied  
 0.5y = 20                              simplified  
 $y = 40$                                   divided by 0.5

From Student Textbook, Lesson 122, pg. 495.

**122 D Venn diagrams**

**example 122.1** Given  $P = \{1, 2, 3, 4, 7, 9, 13\}$  and  $K = \{2, 3, 7, 8, 10, 11, 15\}$ , find  $P \cap K$ .

**solution** We are asked to find the intersection  $P \cap K$ , which is the set whose members are members of set  $P$  and are also members of set  $K$ .

$$P \cap K = \{2, 7, 13\}$$

**122 C union of sets**

If we look at sets A and B

$$A = \{1, 2, 3, 7\} \quad B = \{1, 3, 8, 9\}$$

and list all the members of both sets, we would write:

$$1, 2, 3, 7, 1, 3, 8, 9$$

We list the first numbers and skip the second ones:

$$\{1, 2, 3, 7, 8, 9\}$$

For us only, write a number once when we use set notation. This set is called the union of sets A and B and consists of all the members of set A and all the members of set B, none listed more than once. We use the symbol  $\cup$  to represent the word union.

$$A \cup B = \{1, 2, 3, 7, 8, 9\}$$

**example 122.2** Given  $P = \{1, 2, 3, 4, 7, 9, 13\}$  and  $K = \{2, 3, 7, 8, 11, 15\}$ , find  $P \cup K$ .

**solution** The union of the sets consists of all the members of both sets, none listed more than once. Thus,

$$P \cup K = \{1, 2, 3, 4, 7, 8, 9, 11, 15\}$$

**122 D Venn diagrams**

Diagrams can be used to enhance our understanding of the concepts and answer. In the diagram we have depicted set A by drawing a circle around the members of this set. We have also circled the members of set B. We can see that the numbers 12 and 13 are members of both set A and set B. So these numbers are the intersection of sets A and B.

**example 122.3** The circles contain the members of sets A, B, and C, as indicated. Diagram the sets. Represent.

**SAXON Teacher Algebra 2**

Lesson 102

Sum of Functions • Products of Functions

$$y = -x^2 - 4x - 2$$

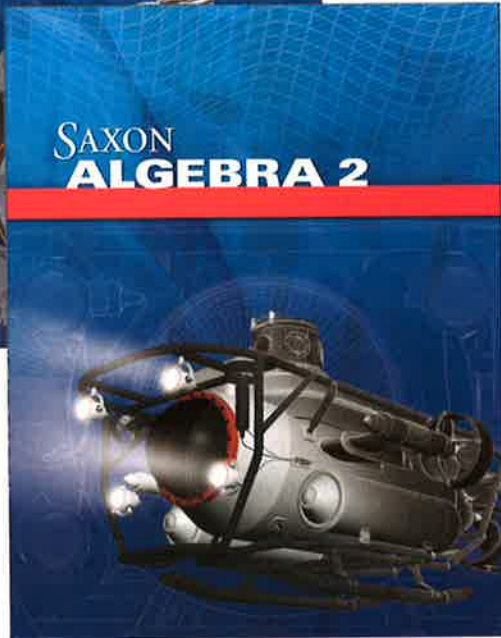
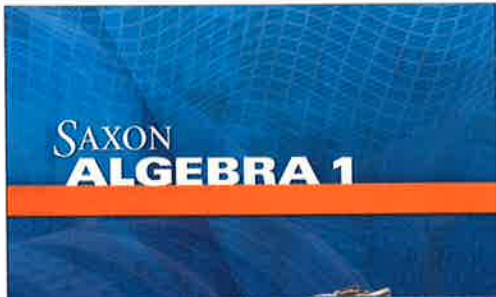
- down
- $(0, -2)$
- $x^2 + 4x + 2 = 0$
- $(x+2)^2 = 2$
- $x = -2$

Problems are drawn from a range of subjects such as chemistry, helping to integrate the learning process.

Venn diagrams provide a visual way to understand mathematical logic and groupings.

The **Saxon Teacher** video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.

Saxon Math—Upper Grades



# Algebra 1 and Algebra 2, 4<sup>th</sup> Edition

Students who are interested in taking the **Saxon Geometry** course may choose the 4<sup>th</sup> Edition **Algebra 1** and **Algebra 2** courses, which are designed to accompany **Geometry**. Featuring the same incremental approach that is the hallmark of the Saxon program, the 4<sup>th</sup> Edition **Algebra 1** and **Algebra 2** textbooks feature more algebra and precalculus content and fewer geometry lessons than their 3<sup>rd</sup> Edition counterparts.

### Comparison Chart

	3 <sup>RD</sup> EDITION	4 <sup>TH</sup> EDITION
<b>Algebra 1 Lessons</b>	120	120
<b>Algebra 2 Lessons</b>	129	119
<b>Geometry Content</b>	<i>Embedded</i>	<i>Separate</i>
<b>Warm Up</b>	<i>Not Included</i>	<i>Included</i>
<b>Labs and Investigations</b>	No	Yes
<b>Mixed Practice Problems</b>	30	30
<b>Assessment Frequency</b>	<i>Every 5 Lessons</i>	<i>Every 5 Lessons</i>
<b>Test Answers</b>	<i>Includes Solutions</i>	<i>Answers Only</i>
<b>Saxon Teacher Support</b>	Yes	Yes

4th Edition  
120 Lessons  
12 Investigations  
Labs  
Test Forms and Test  
Answers  
Solutions Manual



# contents

## Algebra 1 4<sup>th</sup> Edition

### Homeschool Kit

#### Algebra 1 Student Textbook (Hardcover)

- 120 Lessons
- 12 Investigations
- 11 Labs
- Skills Bank
- Properties and Formulas
- Glossary and Index
- 938 pages

#### Algebra 1 Homeschool Testing Book

- 23 Test Forms for homeschooling
- Answer Key for all homeschool tests

#### Algebra 1 Solutions Manual

- Solutions to all Student Textbook activities including Warm-up, Lesson Practice, Investigations, and Lab Practice

## Algebra 2 4<sup>th</sup> Edition

### Homeschool Kit

#### Algebra 2 Student Textbook (Hardcover)

- 119 Lessons
- 12 Investigations
- 14 Labs
- Skills Bank
- Properties and Formulas
- Glossary and Index
- 965 pages

#### Algebra 2 Homeschool Testing Book

- 23 Test Forms for homeschooling
- Answer Key for all homeschool tests

#### Algebra 2 Solutions Manual

- Solutions to all Student Textbook activities including Warm-up, Lesson Practice, Investigations, and Lab Practice

# price list

## Algebra 1, 4th Edition

Product	ISBN	Price
Homeschool Kit with Solutions Manual	978-0-547-62587-4	134.60

## Individual Kit Components

Homeschool Testing Book	978-0-547-62584-3	22.00
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## Additional Components

Adaptations Student Workbook	978-1-602-77483-4	43.60
Algebra 1 Saxon Teacher CD ROM	978-0-544-25319-3	99.00

## Algebra 2, 4th Edition

Homeschool Kit with Solutions Manual	978-0-547-62588-1	134.60
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## Individual Kit Components

Homeschool Testing Book	978-0-547-62585-0	22.00
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## Additional Components

Adaptations Student Workbook	978-1-602-77510-7	45.40
Algebra 2 Saxon Teacher CD ROM	978-0-544-25320-9	99.00

# featured resources

From Student Textbook, Lesson 30, pg.179.

Daily Warm Ups revisit prerequisite skills and vocabulary.

**Saxon Algebra 1** covers all the topics in a first-year algebra course and builds the algebraic foundation essential for all students to solve increasingly complex problems. Students employ higher-order thinking skills, real-world applications, reasoning, and justification to make connections to math strands.

**Saxon Algebra 1** focuses on algebraic thinking and multiple representations—verbal, numeric, symbolic, and graphical. Graphing calculator labs model mathematical situations.

800.225.5425

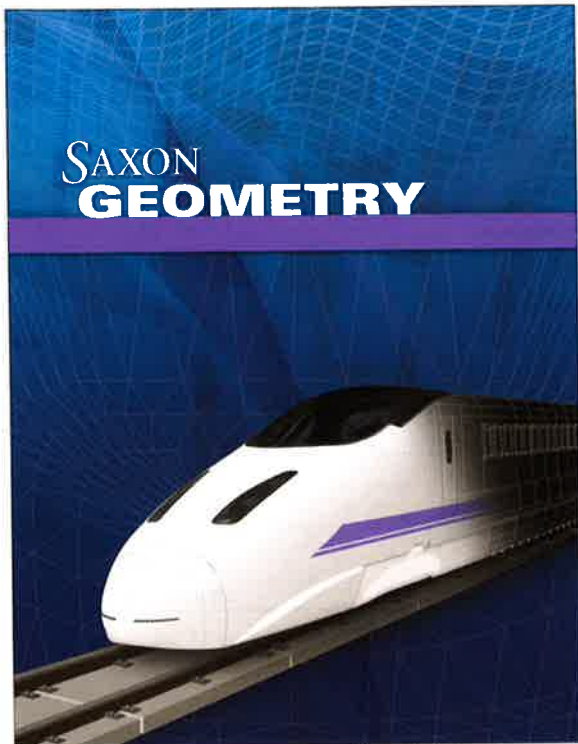
From Student Textbook, Lesson 15, pg.100.

Hints help students work more efficiently through examples and problems.

**Saxon Algebra 2** prepares students for calculus and includes explicit embedded geometry instruction.

**Saxon Algebra 2** reinforces trigonometry concepts and provides practice with statistics. Real-world problems and applications for other subjects like physics and chemistry are also included.

hmhco.com/homeschool



# Geometry

## THE COMPLETE Homeschool PROGRAM

**Geometry** includes all topics in a high school geometry course, including perspective, space, and dimension associated with practical and axiomatic geometry. Students learn how to apply and calculate measurements of lengths, heights, circumference, areas, and volumes. **Geometry** introduces trigonometry and allows students to work with transformations. Students will use logic to create proofs and constructions and will work with key geometry theorems and proofs.

**Geometry** presents a thorough examination of geometric topics such as:

- Triangle congruence
- Algebraic proofs
- Conditional statements
- Postulates and theorems
- Graphical solutions of linear inequalities
- Translations, reflections, and rotations
- $45^\circ$ - $45^\circ$ - $90^\circ$  and  $30^\circ$ - $60^\circ$ - $90^\circ$  triangles
- Distance and midpoint in three dimensions
- Quadrilaterals
- Sine, cosine, and tangent
- Surface area and volume
- Two-column proofs
- Ratios, proportions, and similarity
- Regular polygons
- Vector addition
- Chords, secants, and tangents
- The Pythagorean theorem
- Perpendicular bisectors and angle bisectors
- Slopes and equations of lines
- Indirect proofs

1st Edition  
120 Lessons  
12 Investigations  
15 Labs  
Test Forms and Test  
Answers  
Solutions Manual

# contents

## Homeschool Kit

### Student Textbook (Hardcover)

- 120 Lessons
- 12 Investigations
- 15 Labs
- Glossary and Index
- 887 pages

### Homeschool Packet With Test Forms

- 23 Test Forms for homeschooling
- Answer Key to all homeschool Tests

### Geometry Solutions Manual

- Solutions to all Student Textbook Warm Up, Lesson Practice, Investigations, and Lab Practice. (Early solutions contain every step. Later solutions omit obvious steps.)

## We homeschool with you.

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

### Geometry

Product	ISBN	Price
Homeschool Kit with Solutions Manual	978-1-600-32976-0	141.25
<b>Individual Kit Components</b>		
Homeschool Testing Book	978-1-600-32977-7	15.95
Adaptations Student Workbook	978-1-602-77546-6	45.40
Saxon Teacher CD ROM	978-0-547-44256-3	99.00

## Success with Saxon!

**Saxon Math Homeschool** programs help ensure successful learning through:

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

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- Find the right teaching level for your child with FREE Saxon Placement Tests and Guide.
- Download a FREE product sampler, with table of contents and sample lessons.

MATHEMATICS  
grades 8–12

# featured resources

From Student Textbook, Lesson 25, pg. 157.

**Geometry** teaches students key geometric and logical concepts using the Saxon methodology.

From Student Textbook, Lesson 25, pg. 158.

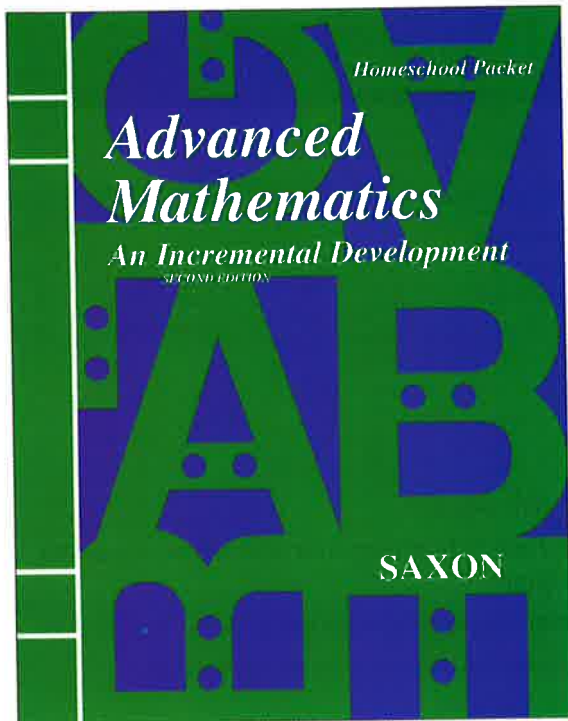
Explorations help students gain an understanding of important geometric concepts.

From Student Textbook, Lesson 74, pg. 493.

Distributed and integrated practice problems incorporate content from previous lessons.

Saxon Math—Upper Grades





# Advanced Mathematics

THE COMPLETE Homeschool PROGRAM

**Advanced Mathematics** fully integrates topics from algebra, geometry, trigonometry, discrete mathematics, and mathematical analysis. Word problems are developed throughout the problem sets and become progressively more elaborate. With this practice, high-school level students will be able to solve challenging problems such as rate problems and work problems involving abstract quantities. Conceptually oriented problems that help prepare students for college entrance exams (such as the ACT and SAT) are included in the problem sets.

**Advanced Mathematics** provides a rigorous treatment of topics such as:

- Permutations and combinations
- Trigonometric identities
- Inverse trigonometric functions
- Angles and diagonals in polygons
- Mathematical assumptions and proofs
- Summation notation
- Conic sections
- Graphs of sinusoids
- Periodic functions
- The line as a locus
- Complex roots
- Rectangular and polar representation of complex numbers
- De Moivre's theorem
- Matrices and determinants
- The binomial theorem
- The rational roots theorem

Advanced Mathematics helps students prepare for college entrance exams such as the SAT and ACT.

2nd Edition  
 125 Lessons  
 Answer Key and Test Solutions  
 Test Forms  
 Solutions Manual



# price list

## Advanced Mathematics

Product	ISBN	Price
Homeschool Kit	978-1-565-77127-7	91.25
Homeschool Kit with Solutions Manual	978-1-600-32973-9	136.85

## Individual Kit Components

Homeschool Packet with Test Forms	978-1-565-77159-8	25.90
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## Additional Materials

Solutions Manual	978-1-565-77042-3	49.95
Homeschool Test Forms Only	978-1-565-77160-4	16.60
Saxon Teacher CD ROM	978-1-602-77366-0	99.00

## Success with Saxon!

**Saxon Math Homeschool** programs help ensure successful learning through:

- Incremental, step-by-step instruction
- Continual practice and review to ensure mastery
- Regular assessments

## Visit [hnhco.com/homeschool](http://hnhco.com/homeschool)

- Find the right teaching level for your child with FREE Saxon Placement Tests and Guide.
- Download a FREE product sampler, with table of contents and sample lessons.
- View the Advanced Mathematics Scope and Sequence.

# contents

## Homeschool Kit

### Student Textbook (Hardcover)

- 125 Lessons
- Proofs and Index
- Answer Key to all Student Textbook Problem Sets
- 748 pages

### Homeschool Packet With Test Forms

- 31 Test Forms for homeschooling
- Answer Key to all homeschool Tests
- Answer Key to all Student Textbook Problem Sets

## Additional Materials

### Advanced Mathematics Solutions Manual

- Solutions to all Student Textbook Problem Sets. (Early solutions contain every step. Later solutions omit obvious steps.)
- Final answers in bold type for accurate, efficient grading

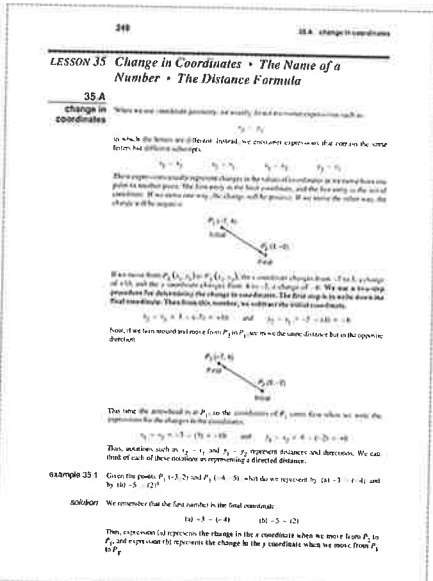
## We homeschool with you.

- ✓ Online math practice
- ✓ Support by email
- ✓ Helpful customer service

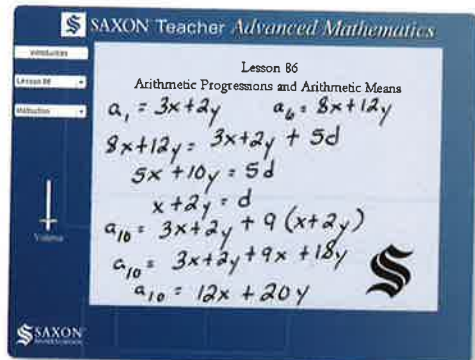
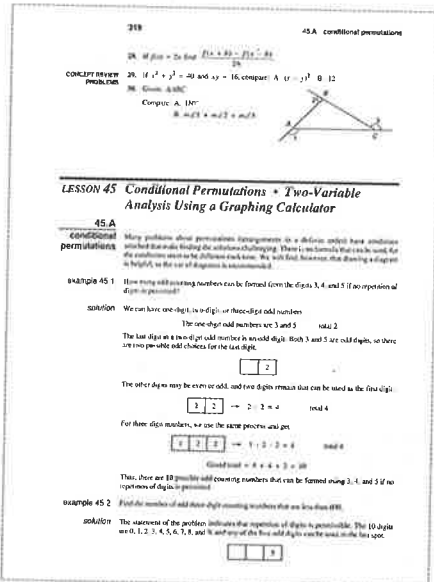
MATHEMATICS  
grades 8–12

# featured resources

From Student Textbook, Lesson 35, pg. 249.



From Student Textbook, Lesson 45, pg. 319.

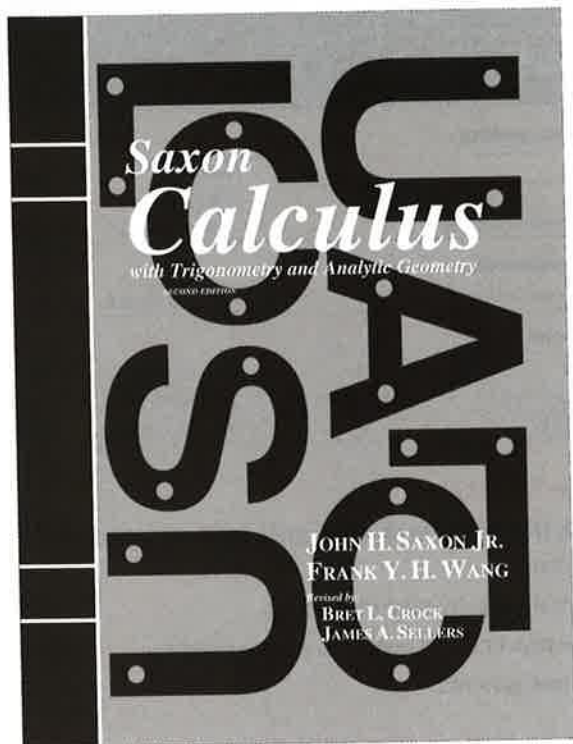


Lessons integrate a variety of mathematical disciplines.

Textbooks teach by letting students do the math, with regular reviews and extensive Problem Sets.

The **Saxon Teacher** video supplement provides comprehensive lesson instruction as well as solutions to every practice problem, problem set, and test question. The user-friendly CDs are compatible with Windows and Mac formats.

Saxon Math—Upper Grades



# Calculus

with Trigonometry  
and Analytic Geometry

THE COMPLETE Homeschool PROGRAM

**Calculus** is designed for prospective math majors in college as well as students preparing for engineering, physics, business analysis, or the life sciences. The text covers all topics normally found in an Advanced Placement® AB-level calculus program, as well as many topics from a BC-level program. Problem sets contain multiple-choice and conceptually oriented problems similar to those in Advanced Placement® exams. Also included are numerous applications to physics, chemistry, engineering, and business.

Successful completion of  
Calculus has helped many  
students score well on  
Advanced Placement®  
exams.

**Calculus** includes a wide  
range of essential topics such  
as:

- Deductive reasoning
- Radian measurement of angles
- Quadratic equations
- Evaluating polynomials
- Limit of a function
- Exponential growth and decay
- Integral of a sum

2nd Edition  
148 Lessons  
Answer Key  
Test Forms and  
Solutions  
Solutions Manual





# contents

## Homeschool Kit

### Student Textbook (Hardcover)

- 148 Lessons
- Appendix with important formulas, facts, and rules
- Index
- Answer Key to odd-numbered Textbook Problem Sets
- 756 pages

### Homeschool Packet With Test Forms

- 37 Test Forms for homeschooling
- Answer Key to homeschool Tests
- Answer Key to all Student Textbook Problem Sets

## Additional Materials

### Calculus Solutions Manual

- Solutions to all Student Textbook Problem Sets. (Early solutions contain every step. Later solutions omit obvious steps.)

# price list

## Calculus

Product	ISBN	Price
Homeschool Kit	978-1-600-32017-0	98.20
Homeschool Kit with Solutions Manual	978-1-600-32974-6	146.90

## Individual Kit Components

Homeschool Packet with Test Forms	978-1-600-32118-4	26.10
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## Additional Materials

Solutions Manual	978-1-565-77148-2	51.25
Homeschool Test Forms Only	978-1-600-32015-6	16.60

# featured resources


Whenever possible, a basic, written introduction precedes a rigorous examination of the concept.

From Student Textbook, Lesson 19, pg. 111.


111

**LESSON 19 The Derivative • Slopes of Curves on a Graphing Calculator**


**19.A the derivative** Lines, which are the graphs of linear functions, possess a quality called slope. The slope of a line tells us how steeply a line rises or falls (assuming we are moving from left to right).




slope = 3



slope =  $\frac{1}{2}$




slope = -3



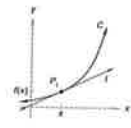
slope =  $-\frac{1}{2}$

For a line with equation  $y = mx + b$ , the slope is  $m$ . For nonlinear equations, the slope of a curve at a point is determined by the slope of the line tangent to the curve at that point. In the figure below, we draw lines tangent to the function  $f(x) = x^2 + 2$  at points  $S$ ,  $P$ ,  $Q$ , and  $R$ .



We see that the slope of  $f$  at points  $Q$  and  $R$  is positive and that the slope at  $R$  is greater than the slope at  $Q$ . The slope of  $f$  at  $P$ , which is the vertex of the parabola, is 0, and the slope at  $S$  is negative.

Consider curve  $C$  (shown below), which is the graph of a function  $y = f(x)$ , and let  $t$  be tangent to  $C$  at point  $P$ .



# Phonics

## THE COMPLETE Homeschool PROGRAM

Phonics K | 1st Edition | 140 Lessons



Phonics 1 | 1st Edition | 140 Lessons



Phonics 2 | 1st Edition | 140 Lessons



**Saxon Phonics K–2** prepares children to be successful, independent readers and spellers. Supported by research on effective reading instruction, Saxon's phonics programs are appropriate for all children, including those with learning difficulties. No prior knowledge of phonics is required to teach these success-oriented programs. We have completely scripted the lessons to make teaching easy.

### Here's What You'll Find Inside the Phonics K, Phonics 1, and Phonics 2 Homeschool Kits:

**Teacher's Manual**, which provides you with directions and lesson scripts, and preparation instructions. Also includes coding charts, a glossary, and detailed game directions.

**Teaching Tools** that include Review Decks, Kid Cards, a rule book, a CD, and a DVD instructional guide.

**Literature Extensions** that supplement phonics instruction by incorporating quality works of classic and contemporary literature—all available in libraries or bookstores.

**Student Materials** that include a two-part student workbook, student readers, and a colorful alphabet strip with D'Nealian-style letters on one side and block-style letters on the other.

**HMH now offers Saxon Phonics and Spelling K-2 Fluency Readers for Homeschool**, providing diverse fiction and nonfiction stories in full-color Fluency Readers. Written at easy, average, and challenging levels of difficulty, these colorful readers provide practice in reading smoothly with high frequency words. Children build fluency and the confidence to read with expression and understanding. Fluency Readers are written on three levels – Easy, Average and Challenging. All three levels of each Fluency Reader focus on the same topics, but differ in genre, sentence complexity, syntax and word count, giving you the flexibility to adapt reading practice to all ability levels. Grade K Fluency Readers address 15 topics with 45 titles, and Grades 1 & 2 feature 26 topics with 78 titles, providing a wide range of content to engage little learners.

### price list

#### Saxon Phonics K–2

Product	ISBN	Price
<b>Phonics K</b>		
Complete Homeschool Kit	978-1-565-77192-5	176.60
Teacher's Manual	978-1-565-77173-4	74.50
Teaching Tools Set	978-1-565-77174-1	75.40
Student Workbook/Reader	978-0-939-79871-1	46.75

#### Phonics 1

Complete Homeschool Kit	978-1-565-77193-2	176.60
Teacher's Manual	978-1-565-77175-8	74.50
Teaching Tools Set	978-1-565-77176-5	75.40
Student Workbook/Reader	978-0-939-79872-8	46.75

#### Phonics 2

Complete Homeschool Kit	978-1-565-77194-9	176.60
Teacher's Manual	978-1-565-77177-2	74.50
Teaching Tools Set	978-1-565-77178-9	75.40
Student Workbook/Reader	978-0-939-79873-5	46.75

#### Saxon Phonics and Spelling Fluency Readers

Saxon Phonics and Spelling K Easy Fluency Readers Homeschool Package (15 titles, 1 copy each)	978-0-544-28687-0	24.85
Saxon Phonics and Spelling K Average Fluency Readers Homeschool Package (15 titles, 1 copy each)	978-0-544-28699-3	24.85
Saxon Phonics and Spelling K Challenging Fluency Readers Homeschool Package (15 titles, 1 copy each)	978-0-544-28698-6	24.85
Saxon Phonics and Spelling 1 Easy Fluency Readers Homeschool Package (26 titles, 1 copy each)	978-0-544-28693-1	45.40
Saxon Phonics and Spelling 1 Average Fluency Readers Homeschool Package (26 titles, 1 copy each)	978-0-544-28689-4	45.40
Saxon Phonics and Spelling 1 Challenging Fluency Readers Homeschool Package (26 titles, 1 copy each)	978-0-544-28703-7	45.40
Saxon Phonics and Spelling 2 Easy Fluency Readers Homeschool Package (26 titles, 1 copy each)	978-0-544-28708-2	45.40
Saxon Phonics and Spelling 2 Average Fluency Readers Homeschool Package (26 titles, 1 copy each)	978-0-544-28749-5	45.40
Saxon Phonics and Spelling 2 Challenging Fluency Readers Homeschool Package (26 titles, 1 copy each)	978-0-544-28777-8	45.40

Grades K–2



Phonics Intervention | 1st Edition

## Saxon Phonics Intervention for Grade 4-12

**Saxon Phonics Intervention** targets students in 4th grade and above who struggle with reading and phonics skills. This program helps students build a strong phonics foundation, serving as a building block for future successful readers.

Developed by Lorna Simmons, author of the **Saxon Phonics** program, **Saxon Phonics Intervention** can be used as a supplemental, stand-alone program.

### Program Overview

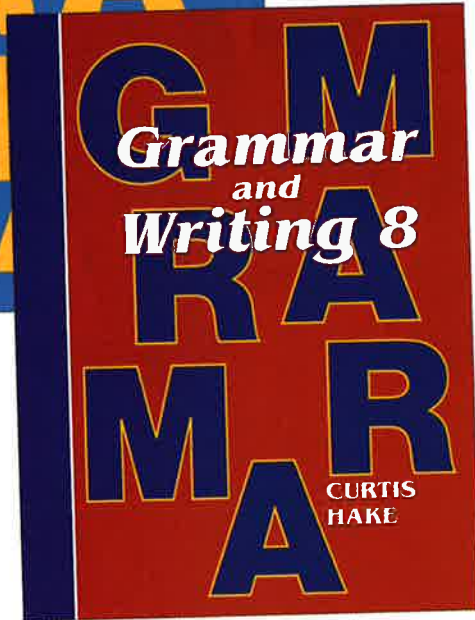
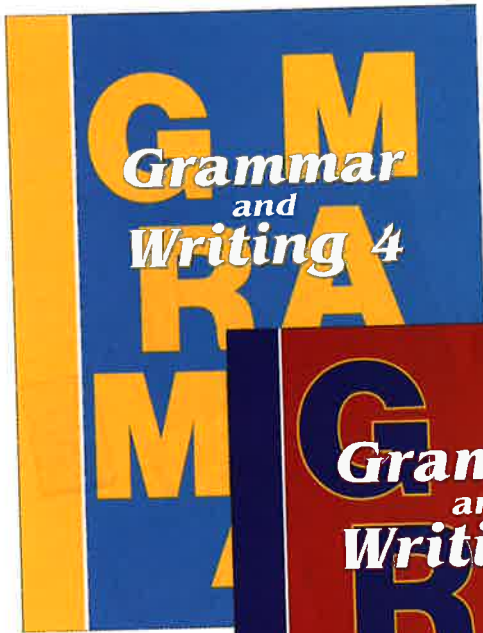
- Students learn the names, sounds and written forms of consonants, vowels and letter clusters.
- Students learn explicit skills and predictable strategies that allow them to easily decode and spell words.
- Once a new skill is introduced, it is repeated until it becomes automatic.
- Built-in vocabulary components help increase vocabulary while reinforcing phonics and spelling rules.
- Worksheets include a variety of reading passages that increase in length and complexity.
- Cumulative assessments are given at regular intervals, and specific remediation activities are provided for students who have difficulty.

#### price list

##### Saxon Phonics Intervention

Product	ISBN	Price
<b>Phonics Intervention Complete Homeschool Kit</b>	978-1-565-77190-1	245.60
Teacher's Manual	978-1-565-77230-4	116.45
Teaching Tools Set	978-1-565-77238-0	100.10
Student Workbook/Reader	978-1-565-77231-1	29.05





# Grammar and Writing

THE COMPLETE Homeschool PROGRAM

Produced by Stephen Hake, co-author of the Saxon middle grades math books, and authored by Christie Curtis and Mary Hake, **Grammar and Writing** is a comprehensive language arts program based on the Saxon model of incremental development and continual review. **Grammar and Writing** covers English grammar, writing, spelling, punctuation, and vocabulary development. Embedded in the examples and exercises is content from other subject areas, so that students learn valuable knowledge while developing their English language skills.

Each **Grammar and Writing** kit includes three books: the Student Textbook, the Student Workbook, and the Teacher Packet. The Student Textbook contains lessons that instruct students on key skills and concepts:

- Capitalization
- Usage
- Punctuation
- Spelling Rules
- Sentence Structure
- Diagramming
- Parts of Speech
- Dictionary Skills

#### 1st Edition , Grades 4–8

107–112 Grammar Lessons  
31–37 Writing Lessons  
Student Textbook  
Student Workbook  
Teacher Packet

#### 2nd Edition , Grades 5–8

107–112 Grammar Lessons  
35–39 Writing Lessons  
Student Textbook  
Student Workbook  
Teacher Packet



Grades 5–8 are included in  
Cathy Duffy's 102 Top Picks.

# contents

## Homeschool Kit Contents

### Student Textbook

- Each lesson contains instruction with examples, a set of practice questions, and a review set, which includes previous material.
- Weekly dictations for practice in spelling and punctuation
- Suggested journal topics for student journals

### Student Workbook

- Writing lessons introduce students to key elements of writing, from combining sentences to constructing essays to writing short stories. Lessons include examples, practice questions, and review questions.
- Additional practice for grammar lessons
- Fun Silly Story activities

### Teacher Packet

- Answers for all practice sets, review sets, and writing lessons
- Schedule (144 school days)
- Test masters
- Test answers

# price list

## Grammar and Writing 4

Product	ISBN	Price
<b>1st Edition</b>		
Complete Homeschool Kit	978-0-544-12926-9	81.15
<b>Individual Kit Components</b>		
Student Textbook	978-0-544-04420-3	43.25
Student Workbook	978-0-544-04421-0	15.70
Teacher Packet	978-0-544-04422-7	29.75

## Grammar and Writing 5 2nd Edition

Complete Homeschool Kit	978-0-544-12927-6	81.15
<b>Individual Kit Components</b>		
Student Textbook	978-0-544-04423-4	43.25
Student Workbook	978-0-544-04424-1	15.70
Teacher Packet	978-0-544-04425-8	29.75

## Grammar and Writing 6 2nd Edition

Complete Homeschool Kit	978-0-544-12928-3	81.15
<b>Individual Kit Components</b>		
Student Textbook	978-0-544-04426-5	43.25
Student Workbook	978-0-544-04427-2	15.70
Teacher Packet	978-0-544-04428-9	29.75

## Grammar and Writing 7 2nd Edition

Complete Homeschool Kit	978-0-544-12929-0	81.15
<b>Individual Kit Components</b>		
Student Textbook	978-0-544-04429-6	43.25
Student Workbook	978-0-544-04430-2	15.70
Teacher Packet	978-0-544-04431-9	29.75

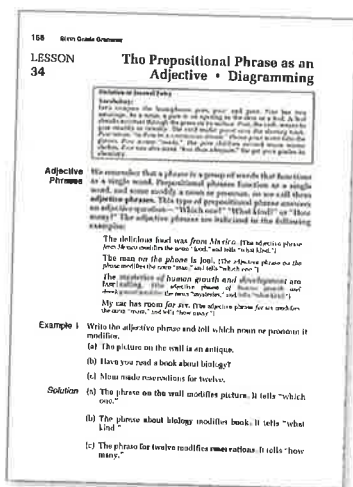
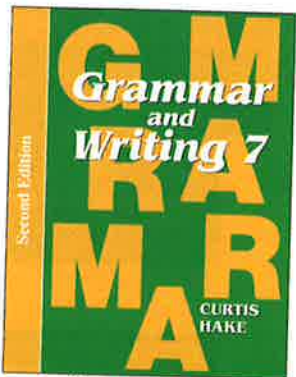
## Grammar and Writing 8 2nd Edition

Complete Homeschool Kit	978-0-544-12930-6	81.15
<b>Individual Kit Components</b>		
Student Textbook	978-0-544-04432-6	43.25
Student Workbook	978-0-544-04433-3	15.70
Teacher Packet	978-0-544-04434-0	29.75

The **Student Workbook**, which includes writing lessons and supplemental activities, systematically guides students through the writing process, enabling them to become confident, successful writers.

The **Teacher Packet** allows parents to schedule their child's year and monitor progress. Answers to lessons are provided, as well as tests masters and test answers.

# featured resources



## 2nd Edition for Grades 5–8

Revised and updated to meet the new standards for Language and Writing, **Grammar and Writing** 2nd Editions still provide the same model of incremental development and continual review as the 1st Editions but now include additional writing lessons.

# Core Skills

## Core Skills: Reading Comprehension

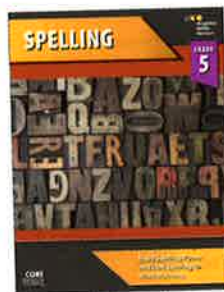
Meaningful practice actively involves students in reading while engaging and developing reading comprehension skills. Each reading selection features scenarios to which students can relate. Following the reading passages are exercises to apply comprehension skills in context while improving vocabulary. (Grades 1-8)



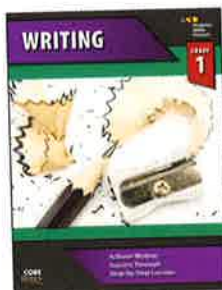
**Core Skills: Phonics** guides children to become successful and confident readers. The skill-specific practice pages link phonics with spelling, reading, and writing so students build language skills through integrated activities. Reading comprehension and Quiz Yourself! sections in each unit provide feedback on student understanding. (Grades K-4)



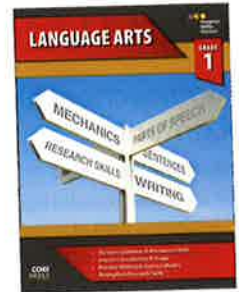
**Core Skills: Spelling** program features word lists built around similar sounds and patterns with varied and relevant exercises. The lessons provide students with multiple exposures to words through skill lessons that help link spelling to meaning. (Grades 1-6)



**Core Skills: Writing** series reaches out to writers of all abilities with a light tone and an approach that allows students to “see” their writing in a new way. Targeted lessons focus on specific writing skills, and extension activities encourage students to write creatively by applying the skills they have learned. This series guides students through the writing process through the four units (Laying the Foundation, Building Sentences, Building Paragraphs, and Writing Forms). The program helps prepare students to succeed on the writing portion of standardized tests. (Grades 1-8)



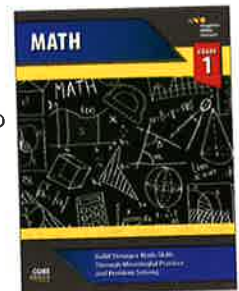
**Core Skills: Language Arts** is designed to develop and reinforce language skills, the simple-to-use targeted practice pages in this series encourage learners to communicate effectively. The workbook format presents only one skill per page, beginning with the grammatical rule and specific examples that model the activities to follow. (Grades 1-8)



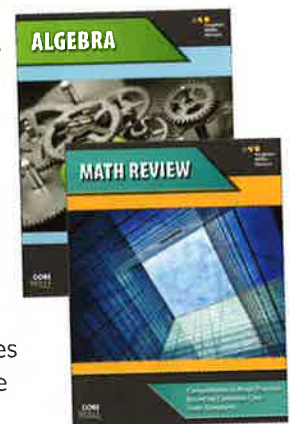
**Core Skills: Grammar Review** Presenting the ideal middle school selection for basic review of grammar skills! When students are having trouble with grammar, usage, or mechanics, nothing works like practice, practice, practice. This consumable workbook provides an excellent resource for refreshing language skills and improving test scores.



**Core Skills: Math** provides strategies and an organized approach to problem solving helping children build a thinking-based process to solving math problems. (Grades 1-8)



**Core Skills: Math Review and Algebra** prepare students to master the skills and concepts found on most state standardized tests. This book provides plenty of examples and practice for reinforcement. A preview test determines what the student does and does not know, unit reviews at the end of each unit test what was learned, and a final review compares against the preview test to measure improvement.



**Core Skills: Science** series provides informative readings and worksheets on a wide variety of topics in earth, life, and physical science. Activities are logically sequenced, transitioning smoothly from basic comprehension of concepts to higher-order thinking skills. (Grades 1-8)



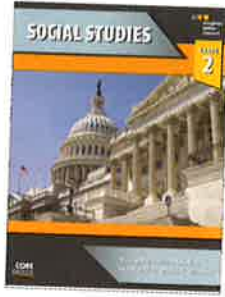
Grades K–Algebra 2  
Interactive Practice  
Problem Solving

Student Edition  
Teacher Edition



## Core Skills: Social Studies series

engages students with easy-to-understand passages, helping students to build a better understanding of the world around them. Interactive lessons encourage active participation with the text, including practice with maps, charts, and illustrations. Students are given many opportunities to reflect on the text through higher-level thinking questions. (Grades 1-6)



## Core Skills: Test Preparation

provides an authentic test-taking experience as well as refreshing basic skills, familiarizing students with test formats and directions, and teaching test-taking strategies for standardized tests. (Grades 1-8)



### price list

#### Core Skills

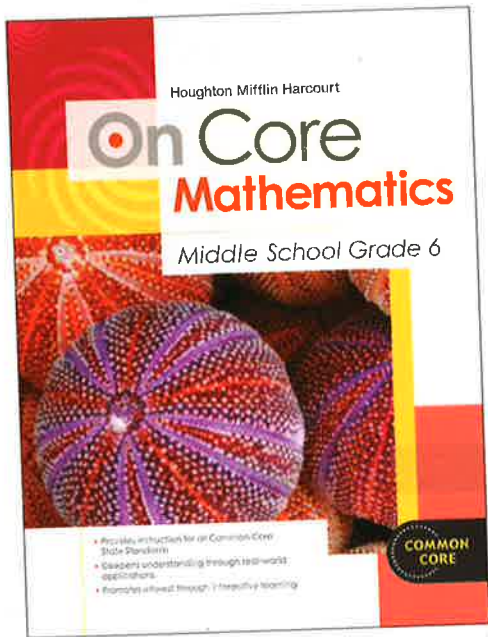
Product	ISBN	Price
<b>Reading Comprehension</b>		
Grade 1	978-0-544-26765-7	9.99
Grade 2	978-0-544-26766-4	9.99
Grade 3	978-0-544-26767-1	9.99
Grade 4	978-0-544-26768-8	9.99
Grade 5	978-0-544-26769-5	9.99
Grade 6	978-0-544-26770-1	9.99
Grade 7	978-0-544-26771-8	9.99
Grade 8	978-0-544-26772-5	9.99
<b>Phonics</b>		
Grade K	978-0-544-26773-2	9.99
Grade 1	978-0-544-26774-9	9.99
Grade 2	978-0-544-26775-6	9.99
Grade 3	978-0-544-26776-3	9.99
Grade 4	978-0-544-26777-0	9.99
<b>Spelling</b>		
Grade 1	978-0-544-26778-7	9.99
Grade 2	978-0-544-26779-4	9.99
Grade 3	978-0-544-26780-0	9.99
Grade 4	978-0-544-26781-7	9.99
Grade 5	978-0-544-26782-4	9.99
Grade 6	978-0-544-26783-1	9.99
<b>Writing</b>		
Grade 1	978-0-544-26833-3	9.99
Grade 2	978-0-544-26846-3	9.99
Grade 3	978-0-544-26847-0	9.99
Grade 4	978-0-544-26848-7	9.99
Grade 5	978-0-544-26849-4	9.99
Grade 6	978-0-544-26850-0	9.99
Grade 7	978-0-544-26851-7	9.99
Grade 8	978-0-544-26852-4	9.99
<b>Language Arts</b>		
Grade 1	978-0-544-26784-8	9.99
Grade 2	978-0-544-26785-5	9.99
Grade 3	978-0-544-26786-2	9.99
Grade 4	978-0-544-26787-9	9.99
Grade 5	978-0-544-26788-6	9.99
Grade 6	978-0-544-26789-3	9.99
Grade 7	978-0-544-26790-9	9.99
Grade 8	978-0-544-26791-6	9.99

#### Core Skills (continued)

Product	ISBN	Price
<b>Grammar</b>		
Grammar Review	978-0-544-26183-9	15.60
<b>Math</b>		
Grade 1	978-0-544-26819-7	9.99
Grade 2	978-0-544-26820-3	9.99
Grade 3	978-0-544-26821-0	9.99
Grade 4	978-0-544-26822-7	9.99
Grade 5	978-0-544-26823-4	9.99
Grade 6	978-0-544-26824-1	9.99
Grade 7	978-0-544-26825-8	9.99
Grade 8	978-0-544-26826-5	9.99
Math Review	978-0-544-26184-6	17.70
Algebra	978-0-544-26182-2	17.70
<b>Science</b>		
Grade 1	978-0-544-26186-0	9.99
Grade 2	978-0-544-26806-7	9.99
Grade 3	978-0-544-26813-5	9.99
Grade 4	978-0-544-26814-2	9.99
Grade 5	978-0-544-26815-9	9.99
Grade 6	978-0-544-26816-6	9.99
Grade 7	978-0-544-26817-3	9.99
Grade 8	978-0-544-26818-0	9.99
<b>Social Studies</b>		
Grade 1	978-0-544-26861-6	9.99
Grade 2	978-0-544-26862-3	9.99
Grade 3	978-0-544-26188-4	9.99
Grade 4	978-0-544-26762-6	9.99
Grade 5	978-0-544-26763-3	9.99
Grade 6	978-0-544-26764-0	9.99
<b>Test Preparation</b>		
Grade 1	978-0-544-26853-1	9.99
Grade 2	978-0-544-26854-8	9.99
Grade 3	978-0-544-26855-5	9.99
Grade 4	978-0-544-26856-2	9.99
Grade 5	978-0-544-26857-9	9.99
Grade 6	978-0-544-26858-6	9.99
Grade 7	978-0-544-26859-3	9.99
Grade 8	978-0-544-26860-9	9.99

SKILL BUILDING  
grades K-12

Skill Building



# On Core Mathematics

## Grades K-5

In Grades K-5 students actively participate in lessons that use manipulatives and step-by-step models to develop an in-depth understanding of the Common Core State Standards for Mathematics. Problem solving is integrated into every lesson to help students apply concepts and skills to real-world situations.

## Grades 6-Algebra 2

In Grades 6-Algebra 2, students gain a deeper understanding of the Common Core State Standards for Mathematics by exploring, interacting, and reflecting on the skills and concepts presented. Reflect questions challenge students to really think about the mathematics and to share their understanding with the class. Problem Solving Connections help students apply the concepts and skills they have learned to real-world situations.

## Parent Support

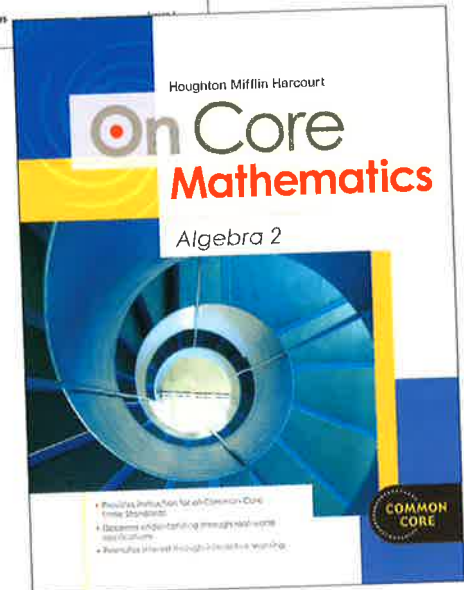
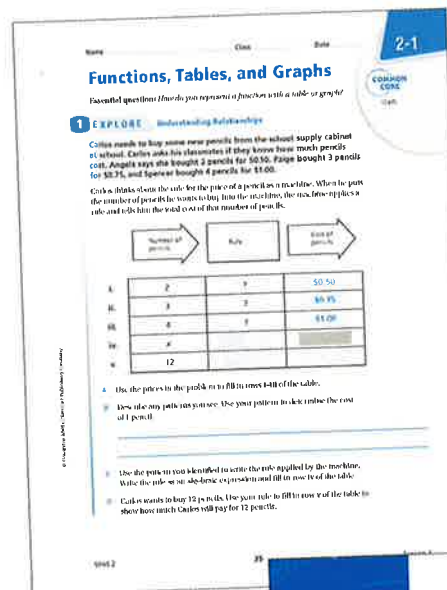
**On Core Mathematics** Teacher Editions provide background for each lesson, questioning strategies, and suggestions for differentiation.

- Grades K-Algebra 2
- Common Core Coverage
- Interactive Practice
- Problem Solving
- Student Edition
- Teacher Edition

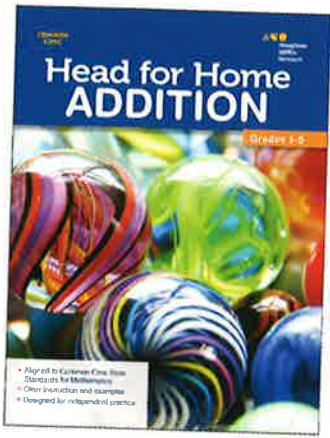
# price list

## On Core Mathematics

Product	ISBN	Price
Grade K	978-0-547-87235-3	31.55
Grade 1	978-0-547-87236-0	31.55
Grade 2	978-0-547-87239-1	31.55
Grade 3	978-0-547-87240-7	31.55
Grade 4	978-0-547-87241-4	31.55
Grade 5	978-0-547-87242-1	31.55
Grade 6	978-0-547-87388-6	33.70
Grade 7	978-0-547-87389-3	33.70
Grade 8	978-0-547-87390-9	33.70
Algebra 1	978-0-547-87391-6	33.70
Geometry	978-0-547-87392-3	33.70
Algebra 2	978-0-547-87393-0	33.70







# Head for Home

Target Your Child's Unique Needs  
in Reading and Math

**Head for Home Reading** addresses key reading and literary skills. Each reading lesson provides:

- A student friendly explanation of the skill.
- Clear instruction on how to apply the skill.
- Engaging reading selections.
- Multiple-choice and/or open-ended reading comprehension questions that allow students to practice the skill.

**Head for Home Math** addresses key math skills. Each math lesson provides:

- A student friendly explanation of the skill.
- Clear, step-by-step examples that show students how to work problems.
- Multiple-choice and/or open-ended practice items that allow students to practice the skill.

The **Head for Home** series for Reading and Math addresses key skills for struggling students, on-level students, and advanced students. For each grade level, multiple skill levels are offered to target students' needs.

- The **Novice** level provides students with extra support and practice to build fundamental skills.
- The **Intermediate** level provides students with instruction and practice for key grade-level skills.
- The **Advanced** level provides students with exercises that challenge them to think critically and go beyond grade-level skills.

Grades 1-6  
Novice  
Intermediate  
Advanced

## price list

### Head for Home Reading

Product	ISBN	Price
<b>Novice</b>		
Grade 1	978-0-544-03870-7	7.99
Grade 2	978-0-544-03871-4	7.99
Grade 3	978-0-544-03872-1	7.99
Grade 4	978-0-544-03874-5	7.99
Grade 5	978-0-544-03875-2	7.99
Grade 6	978-0-544-03876-9	7.99
<b>Intermediate</b>		
Grade 1	978-0-544-03839-4	7.99
Grade 2	978-0-544-03841-7	7.99
Grade 3	978-0-544-03843-1	7.99
Grade 4	978-0-544-03844-8	7.99
Grade 5	978-0-544-03845-5	7.99
Grade 6	978-0-544-03847-9	7.99
<b>Advanced</b>		
Grade 1	978-0-544-03855-4	7.99
Grade 2	978-0-544-03856-1	7.99
Grade 3	978-0-544-03857-8	7.99
Grade 4	978-0-544-03860-8	7.99
Grade 5	978-0-544-03861-5	7.99
Grade 6	978-0-544-03862-2	7.99

### Head for Home Math

<b>Novice</b>		
Grade 1	978-0-544-03863-9	7.99
Grade 2	978-0-544-03864-6	7.99
Grade 3	978-0-544-03865-3	7.99
Grade 4	978-0-544-03866-0	7.99
Grade 5	978-0-544-03867-7	7.99
Grade 6	978-0-544-03869-1	7.99
<b>Intermediate</b>		
Grade 1	978-0-544-03832-5	7.99
Grade 2	978-0-544-03833-2	7.99
Grade 3	978-0-544-03834-9	7.99
Grade 4	978-0-544-03835-6	7.99
Grade 5	978-0-544-03837-0	7.99
Grade 6	978-0-544-03838-7	7.99
<b>Advanced</b>		
Grade 1	978-0-544-03848-6	7.99
Grade 2	978-0-544-03850-9	7.99
Grade 3	978-0-544-03851-6	7.99
Grade 4	978-0-544-03852-3	7.99
Grade 5	978-0-544-03853-0	7.99
Grade 6	978-0-544-03854-7	7.99

### Head for Home Reading

<b>Word Problems</b>		
Grade 1	978-0-544-25005-5	7.99
Grade 2	978-0-544-25006-2	7.99
Grade 3	978-0-544-25007-9	7.99
Grade 4	978-0-544-25008-6	7.99
Grade 5	978-0-544-25009-3	7.99
Grade 6	978-0-544-25010-9	7.99

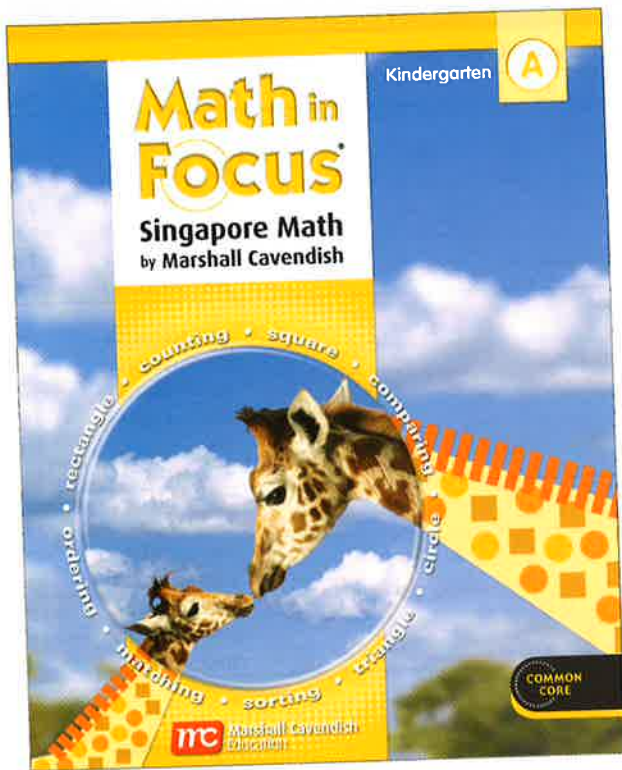
### Head for Home Math

<b>Math Skills</b>		
Division, Book 1	978-0-544-25011-6	7.99
Fractions, Book 1	978-0-544-25013-0	7.99
Fractions, Book 2	978-0-544-25014-7	7.99
Decimals	978-0-544-25019-2	7.99
Addition	978-0-544-25020-8	7.99
Subtraction	978-0-544-25021-5	7.99
Multiplication, Book 1	978-0-544-25015-4	7.99
Multiplication, Book 2	978-0-544-25016-1	7.99
Division, Book 2	978-0-544-25012-3	7.99
Geometry, Book 1	978-0-544-25017-8	7.99
Geometry, Book 2	978-0-544-25018-5	7.99
Algebra	978-0-544-25022-2	7.99

SKILL BUILDING  
grades 1 - 12

Skill Building





# Math in Focus<sup>®</sup>: Singapore Math<sup>®</sup>

by Marshall Cavendish

**Math in Focus** combines the Singapore approach to math with a configuration that is easy to use and understand. Available for Kindergarten through 8th grade, **Math in Focus** is the United States edition of Singapore's most widely used program.

"The entire presentation in *Math in Focus* really challenges students to think much more deeply about mathematics than do most other programs. Students can't just breeze through the lessons. Students who grasp concepts easily will likely do very well with this program. For students who struggle, you might slow the pace and take more time with the concrete and pictorial lessons as well as offer extra guided practice. ...I suspect that *Math in Focus* will quickly become a very popular option among homeschoolers."

—Cathy Duffy

## The Instructional Advantages

- Carefully paced instruction that focuses on teaching fewer math topics per year to a level of mastery
- Consistent use of visual models and manipulatives that carefully bridge the concrete and the abstract—encouraging algebraic thinking, facilitating communication of math ideas, and solidifying learning
- Instruction centered around problem solving using multiple models to help students visualize and understand the math concepts
- Ample practice for continuous ongoing assessment

## Build a Solid Foundation

Within lessons, from chapter to chapter, and from year to year, instruction follows the concrete-pictorial-abstract sequence so that students understand the "how" and the "why" of the math they are learning.

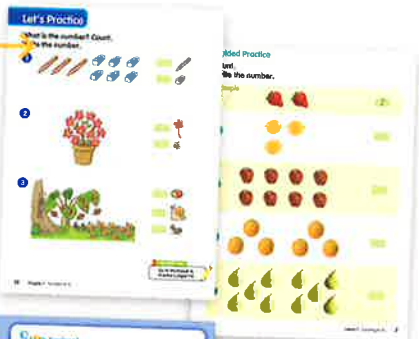
Grades K–8  
Virtual Manipulatives  
Assessments

**mc** Marshall Cavendish  
Education

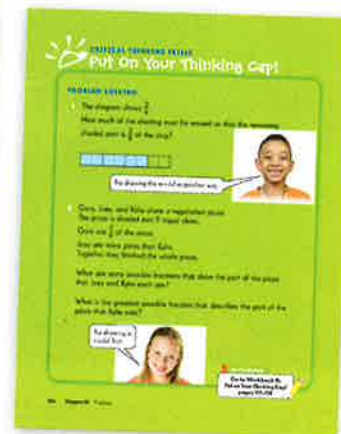
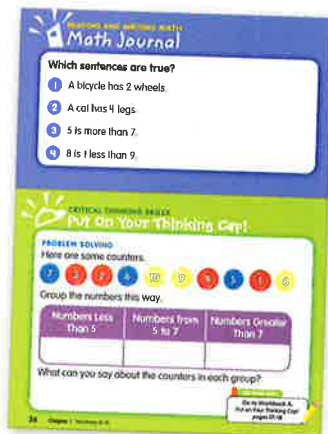
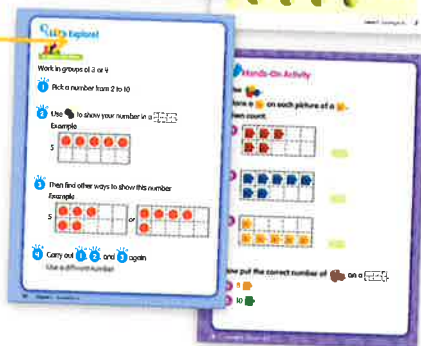
# featured resources

**Consolidating Concepts and Skills for Deeper Understanding.** Each **Learn** portion of the lesson is followed by opportunities for deeper understanding through extensive practice, hands-on work in pairs and small groups, and communication and reflection activities.

**Extensive Practice Opportunities**



**Hands-On Activities and Explorations**



**Applying Concepts and Skills Builds Real-World Problem Solvers.** *Math in Focus* embeds problem solving throughout a lesson using visual models, strategies such as model drawing, and multi-step real-world problems.

MATHEMATICS  
grades K-8

**Each lesson** is introduced with a Learn element.

**Manipulatives** are used to explain abstract mathematical concepts.

**Pictures, models, and diagrams** are used to present examples with solutions.

**Learn** You can use bar models to help you subtract.

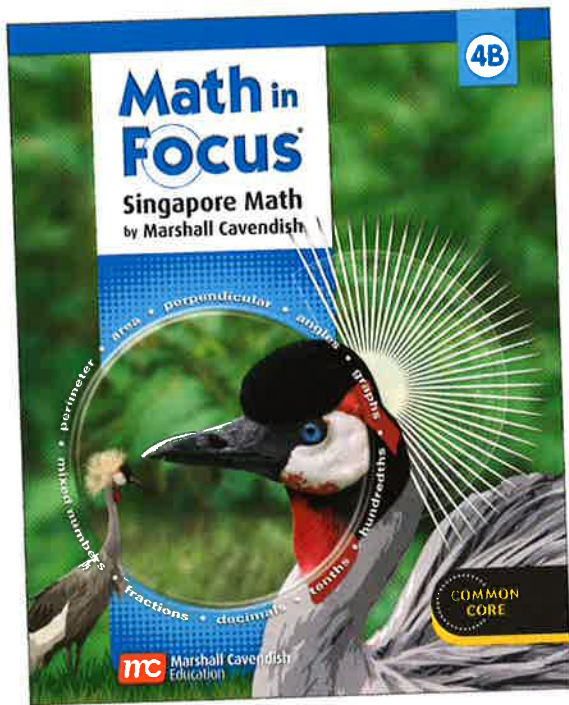
Will buys 24 eggs.  
He breaks 7 eggs.  
How many eggs do not break?

$24 - 7 = 17$   
17 eggs do not break.

**Check!**  
 $17 + 7 = 24$   
The answer is correct.

**Only numerals, mathematical notation, and symbols** are used once students are familiar with the abstract representation.

Mathematics



## Grades K-5: Program Contents

Volume A is designed for the first half of the year, and Volume B is designed for the second half. Teacher's Editions contain complete program support, including Chapter Overviews with math background, cross-curricular connections, and a planning guide. Student Books allow for age-appropriate and mathematically sound practice, assessment, and development of problem-solving and thinking skills. Assessments, which are available separately, provide a clear picture of student progress. Virtual manipulatives, also available separately, provide an easy-to-use alternative to traditional manipulatives. (**Math in Focus** is also compatible with the physical manipulatives that are available for other math programs.)

For kindergarten, consumable Student Books Part 1 and Part 2 are provided instead of a Student Book and Student Workbook.

### Homeschool Kit with Answer Key

Homeschool kits with Answer Keys include a Student Textbook, Student Workbook, and Answer Key, with Assessments available separately.

### Homeschool Kit with Teacher's Edition

These kits are designed for one semester and include a Student Textbook, Student Workbook, and Teacher's Edition, with Assessments available separately.

### Student Packs

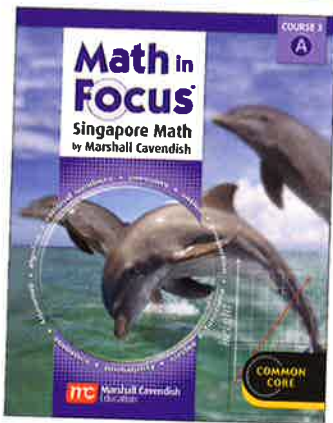
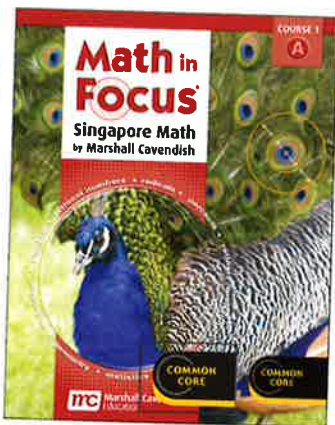
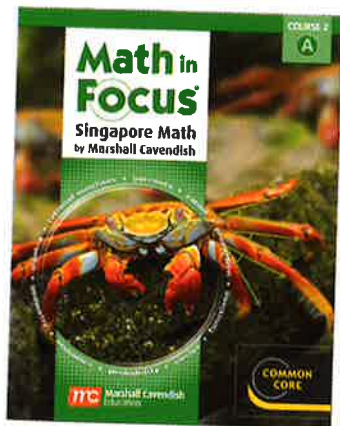
Student packs include Student Textbooks and Student Workbooks for both semesters as well as Assessments. (Due to the interactive nature of the Kindergarten program, Teacher Editions are included in the Kindergarten Student Packs.)

# price list

## Math in Focus

Product	ISBN	Price
<b>Grade K</b>		
Grade K Student Pack	978-0-547-54935-4	281.50
Grade K, 1st Semester Homeschool Kit with Teacher's Edition	978-0-547-42885-7	126.35
Grade K, 2nd Semester Homeschool Kit with Teacher's Edition	978-0-547-42886-4	126.35
Grade K Assessments	978-0-669-02860-7	45.10
<b>Grade 1</b>		
Grade 1 Student Pack	978-0-547-54930-9	107.25
Grade 1, 1st Semester Homeschool Kit with Teacher's Edition	978-0-547-42876-5	140.30
Grade 1, 2nd Semester Homeschool Kit with Teacher's Edition	978-0-547-42875-8	140.30
Grade 1 Assessments	978-0-669-01599-7	46.05
Grade 1 Homeschool Kit with Answer Key	978-0-544-13376-1	147.70
Grade 1 Student Workbook Set (consumable)	978-0-669-02615-3	18.95
<b>Grade 2</b>		
Grade 2 Student Pack	978-0-547-54931-6	107.25
Grade 2, 1st Semester Homeschool Kit with Teacher's Edition	978-0-547-42879-6	140.30
Grade 2, 2nd Semester Homeschool Kit with Teacher's Edition	978-0-547-42878-9	140.30
Grade 2 Assessments	978-0-669-01603-1	46.05
Grade 2 Homeschool Kit with Answer Key	978-0-544-12976-4	147.70
Grade 2 Student Workbook Set (consumable)	978-0-669-02614-6	18.95
<b>Grade 3</b>		
Grade 3 Student Pack	978-0-547-54932-3	118.10
Grade 3, 1st Semester Homeschool Kit with Teacher's Edition	978-0-547-42887-1	145.10
Grade 3, 2nd Semester Homeschool Kit with Teacher's Edition	978-0-547-42880-2	145.10
Grade 3 Assessments	978-0-669-01604-8	46.05
Grade 3 Homeschool Kit with Answer Key	978-0-544-13026-5	147.70
Grade 3 Student Workbook Set (consumable)	978-0-669-02841-6	18.95
<b>Grade 4</b>		
Grade 4 Student Pack	978-0-547-54933-0	118.10
Grade 4, 1st Semester Homeschool Kit with Teacher's Edition	978-0-547-42881-9	145.10
Grade 4, 2nd Semester Homeschool Kit with Teacher's Edition	978-0-547-42882-6	145.10
Grade 4 Assessments	978-0-669-01607-9	46.05
Grade 4 Homeschool Kit with Answer Key	978-0-544-12946-7	147.70
Grade 4 Student Workbook Set (consumable)	978-0-669-02843-0	18.95
<b>Grade 5</b>		
Grade 5 Student Pack	978-0-547-54934-7	118.10
Grade 5, 1st Semester Homeschool Kit with Teacher's Edition	978-0-547-42883-3	145.10
Grade 5, 2nd Semester Homeschool Kit with Teacher's Edition	978-0-547-42884-0	145.10
Grade 5 Assessments	978-0-669-01609-3	46.05
Grade 5 Homeschool Kit with Answer Key	978-0-544-12977-1	147.70
Grade 5 Student Workbook Set (consumable)	978-0-669-02845-4	18.95
<b>Manipulatives CD-ROMs</b>		
Primary Virtual Manipulatives CD-ROM (Grades K-2)	978-0-669-02870-6	127.75
Intermediate Virtual Manipulatives CD-ROM (Grades 3-5)	978-0-547-26441-7	134.20





### Course 1–3 for Grade 6 through 8

**Math in Focus Course 1–3** extends the current K–5 program into the middle school grades, bringing the same focused and coherent approach to mathematics.

- **Deeper Understanding**

Through multi-day lessons and minimal repetition from year to year, **Math in Focus** students learn concepts in depth to mastery.

- **Balance conceptual understanding and procedural fluency.**

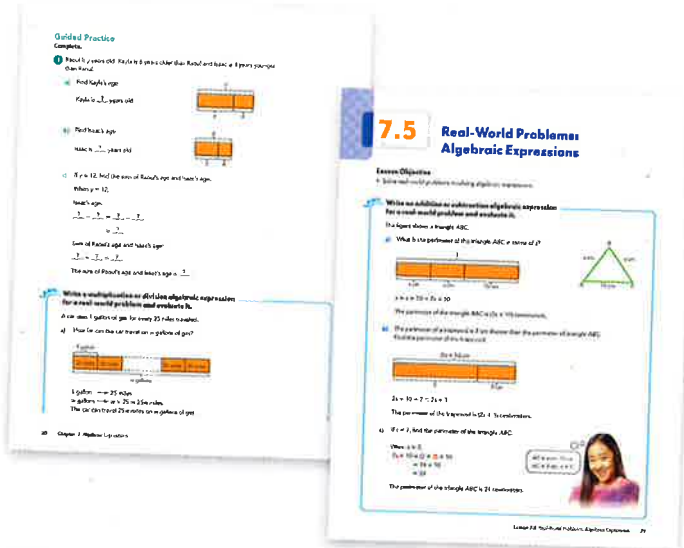
An emphasis on visual learning ensures that students understand how procedures work and can apply them in problem-solving situations.

- **Focus on ratio, geometry, number, statistics, and expressions.**

**Math in Focus** aligns to the Common Core Domains to prepare students for algebra and higher-level mathematics.

The homeschool kits for **Course 1–3** include a Student Book and Teacher’s Edition for one semester of study. The Assessments book is sold separately and includes assessments for the full year. Optional components include the Blackline Activities book and the Extra Practice books.

## featured resources



### price list

#### Math in Focus—Course 1 for Grade 6

Product	ISBN	Price
Grade 6, 1st Semester Homeschool Kit	978-0-547-82088-0	94.55
Grade 6, 2nd Semester Homeschool Kit	978-0-547-82094-1	94.55
Grade 6 Assessments	978-0-547-57903-0	49.15
Grade 6 Extra Practice A	978-0-547-57896-5	28.15
Grade 6 Extra Practice B	978-0-547-57899-6	28.15

#### Math in Focus—Course 2 for Grade 7

Grade 7, 1st Semester Homeschool Kit	978-0-544-12941-2	94.55
Grade 7, 2nd Semester Homeschool Kit	978-0-544-12937-5	94.55
Grade 7 Assessments	978-0-547-57904-7	49.15
Grade 7 Extra Practice A	978-0-547-57902-3	28.15
Grade 7 Extra Practice B	978-0-547-57908-5	28.15

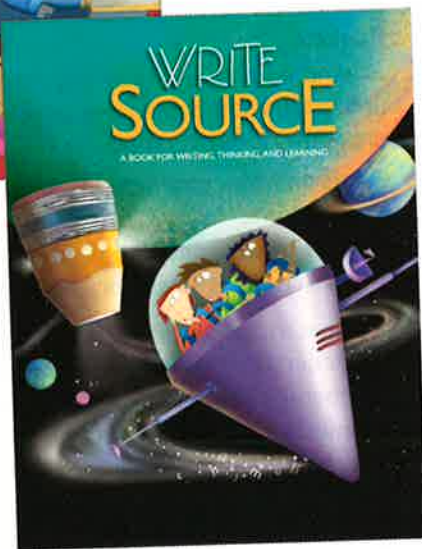
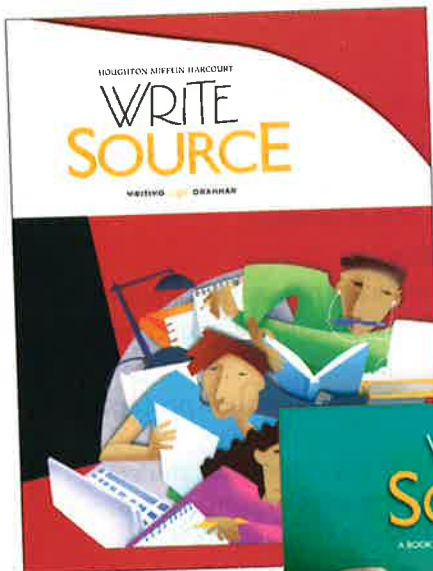
#### Math in Focus—Course 3 for Grade 8

Grade 8, 1st Semester Homeschool Kit	978-0-544-12938-2	94.55
Grade 8, 2nd Semester Homeschool Kit	978-0-544-12939-9	94.55
Grade 8 Assessments	978-0-547-57906-1	49.15
Grade 8 Extra Practice A	978-0-547-57907-8	28.15
Grade 8 Extra Practice B	978-0-547-57909-9	28.15

### Interactive Lessons

Students actively participate in every aspect of a lesson. They carry out an activity in Explore and complete the solution in Example.

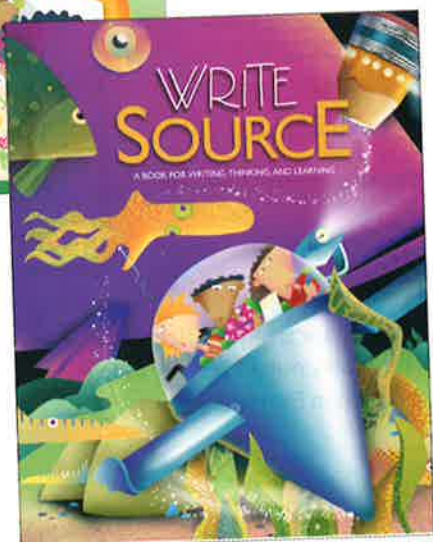
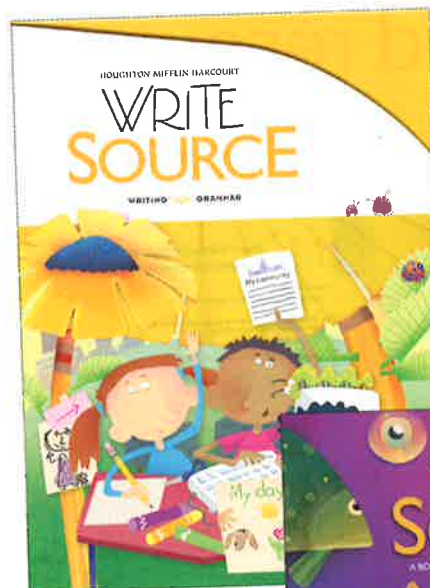




# Write Source

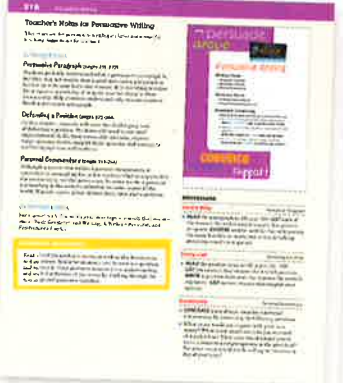
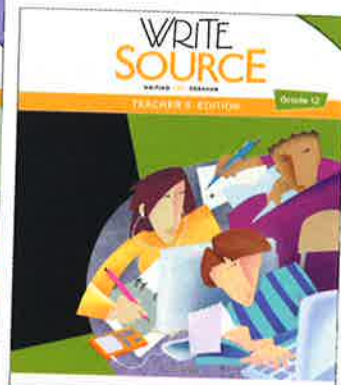
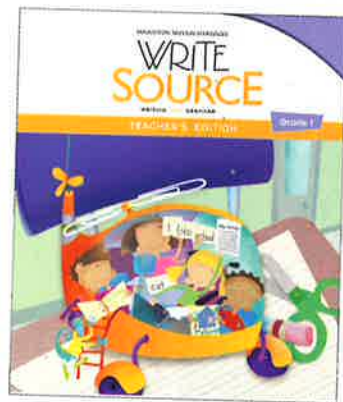
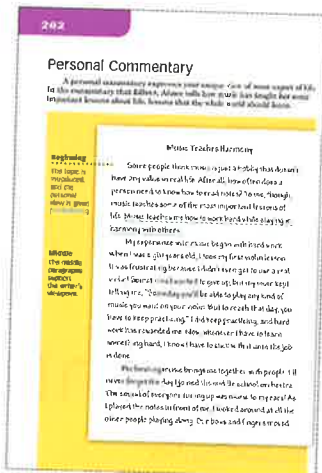
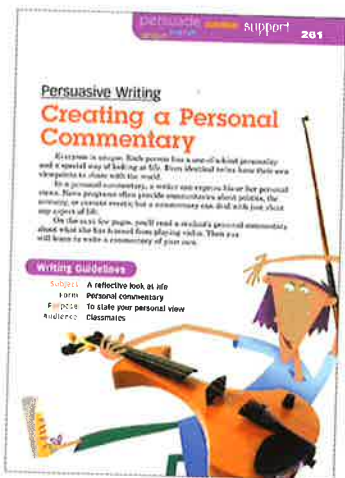
**Write Source** is a student-friendly, comprehensive writing program for Grades 1–12 with research-based instruction to help students become better writers, thinkers, and learners. **Write Source** uses a clear, logical sequence of instruction to support students through all stages of the writing process. With **Write Source**, students develop effective writing skills to last a lifetime.

With writing instruction at the core, grammar, usage, and mechanics are taught in an authentic writing context.



- Grades 1–12
- Writing
- Grammar
- Student Edition
- Teacher’s Edition
- Assessment Workbook

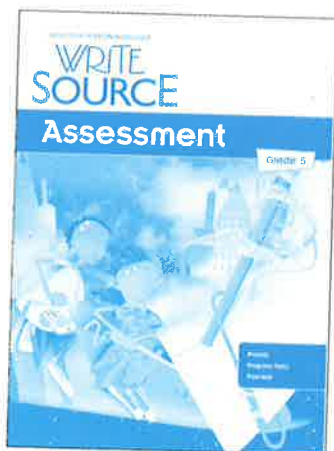
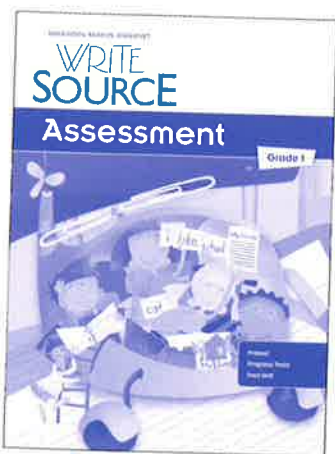
# featured resources



## Everything Writers Need to Succeed!

**Write Source** provides instruction on the writing process, form, traits, and writing across the curriculum. In addition, **Write Source** integrates mechanics, usage, and grammar activities and prepares students for state writing tests.

- **Clear explanations** of the writing process
- **Integrated Six Traits** instruction in every unit
- **Key writing forms** covered in detail
- **Student models** for every writing form
- **Strategies for writing** across the curriculum and on writing assessments
- **Graphic organizers** to help students focus their writing
- **Activities for building mechanics, grammar, and usage skills**
- **Differentiated instruction** to meet varied student needs
- **Clear, logical sequence** of instruction



## Assessment

The Assessment Workbook provides a pretest, a progress test, and a posttest to help monitor students' progress with writing skills.

## Comprehensive Teacher Support

**Write Source** Teacher's Editions have an easy-to-use wraparound format that makes it easy for you to support students' learning.

- **Step-by-step teacher notes** correlated to national standards
- **Differentiated and cross-curricular instruction** to meet all needs
- **Meaningful test prep** with pretests, posttests, writing prompts, and more
- **Mini lessons** to introduce and reinforce key concepts
- **Additional information** on writing process and Six Traits

## price list

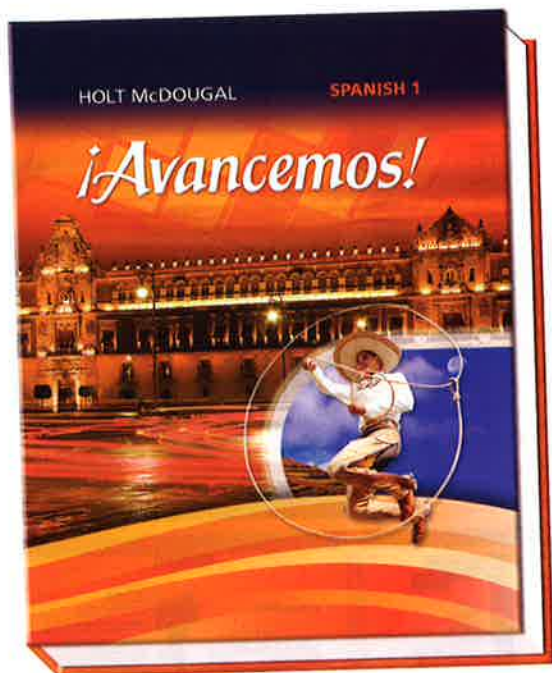
### Write Source

Product	ISBN	Price
Grade 1 (print only)	978-0-547-89819-3	180.05
Grade 2 (print only)	978-0-547-89803-2	180.05
Grade 3 (print only)	978-0-547-89802-5	180.05
Grade 4 (print only)	978-0-547-89806-3	180.05
Grade 5 (print only)	978-0-547-89807-0	180.05
Grade 6 (print only)	978-0-547-89808-7	180.05
Grade 7 (print only)	978-0-547-89809-4	180.05
Grade 8 (print only)	978-0-547-89811-7	180.05
Grade 9 (print only)	978-0-547-89812-4	180.05
Grade 10 (print only)	978-0-547-89814-8	180.05
Grade 11 (print only)	978-0-547-89817-9	180.05
Grade 12 (print only)	978-0-547-89818-6	180.05

LANGUAGE ARTS  
grades 1-12

Language Arts





# price list

## ¡Avancemos!

Product	ISBN	Price
Level 1	978-0-547-85865-4	92.05
Level 2	978-0-547-85868-5	92.05
Level 3	978-0-547-85867-8	92.05
Level 4	978-0-547-85866-1	92.05

## contents

### Student Edition

- Presents materials in manageable lessons with frequent checkpoints, differentiated activities, and engaging practice options.

### Interactive Online Student Edition

- Interactive textbook pages that allow students to submit oral, multiple-choice, and written responses to every activity in the book.
- News + Networking provides high-interest cultural articles and videos.

- Interactive Readers provide a variety of readings at various levels of difficulty.
- Online activities and animations for additional interactive practice on the vocabulary and grammar

### Teacher Resources Online

- Interactive Teacher's Edition
- Vocabulary, Grammar, Reading, and Culture Worksheets
- Audio program and songs
- Assessments
- And more!

# ¡Avancemos!

Creating a Passion for World Languages!

Houghton Mifflin Harcourt's Spanish program gives students the ability and confidence to thrive in a multilingual world. Proven pedagogy, engaging digital features, and differentiated instruction provide the keys to language proficiency.

High School  
4 Levels (Spanish)  
Student Edition  
Interactive Online Student Edition  
Teacher Resources Online

### The Online Advantage

The **Interactive Online Edition** for **¡Avancemos!** provides a truly interactive experience. Online Editions keep students engaged with interactive scorable activities, downloadable audio and video, animations, Interactive Readers, News and Networking, and more. All video and audio files are available at point-of-use. Online assessments are also included.

### Culture is Cornerstone

Students learn about culture throughout every location-based chapter. By understanding culture, students will truly begin to master the language.

### Ease of Use

Designed for ease-of-use, these programs feature a consistent chapter structure, video support for each major section, and lots of instructional support. Reviewing, recycling, and clear and concise organization help students stay on track.



## price list

### Bien dit!

Product	ISBN	Price
Level 1	978-0-547-85869-2	92.05
Level 2	978-0-547-85871-5	92.05
Level 3	978-0-547-85870-8	92.05

## contents

### Student Edition

- Presents materials in manageable lessons with frequent checkpoints, differentiated activities, and engaging practice options.

### Interactive Online Student Edition

- Interactive textbook pages that allow students to submit oral, multiple-choice, and written responses to every activity in the book.
- News + Networking provides high-interest cultural articles and videos.

- Interactive Readers provide a variety of readings at various levels of difficulty.
- Online activities and animations for additional interactive practice on the vocabulary and grammar

### Teacher Resources Online

- Interactive Teacher's Edition
- Vocabulary, Grammar, Reading, and Culture Worksheets
- Audio program and songs
- Assessments
- And more!

WORLD LANGUAGES  
grades 9-12

## Bien dit!®

Creating a Passion for World Languages!

**Houghton Mifflin Harcourt's** French program gives students the ability and confidence to thrive in a multilingual world. Proven pedagogy, engaging digital features, and differentiated instruction provide the keys to language proficiency.

High School  
3 Levels (French)  
Student Edition  
Interactive Online Student Edition  
Teacher Resources Online

### The Online Advantage

The **Interactive Online Edition** for *Bien dit!* provides a truly interactive experience. Online Editions keep students engaged with interactive scorable activities, downloadable audio and video, animations, Interactive Readers, News and Networking, and more. All video and audio files are available at point-of-use. Online assessments are also included.

### Culture is Cornerstone

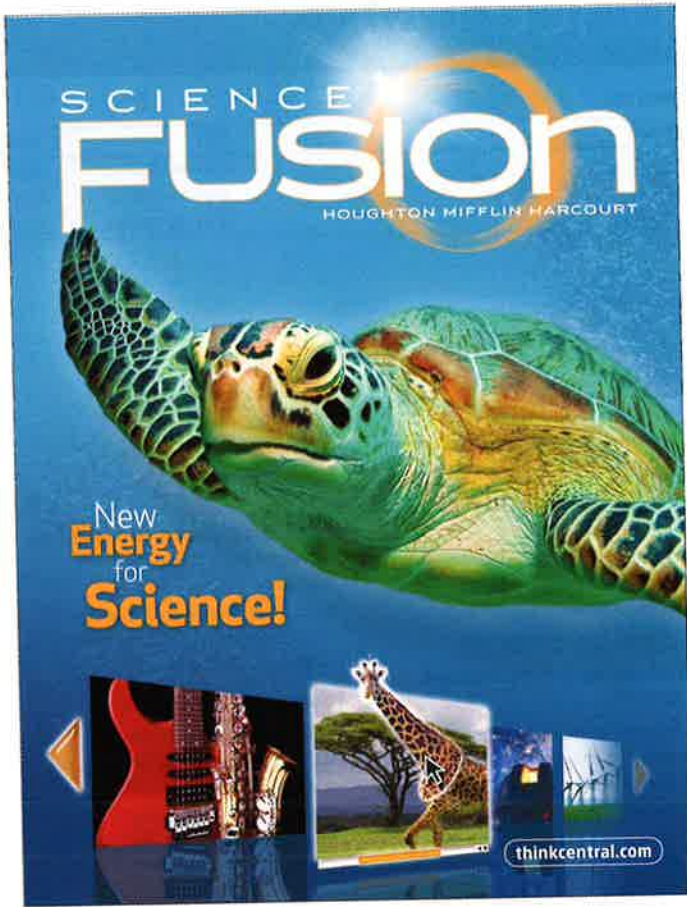
Students learn about culture throughout every location-based chapter. By understanding culture, students will truly begin to master the language.

### Ease of Use

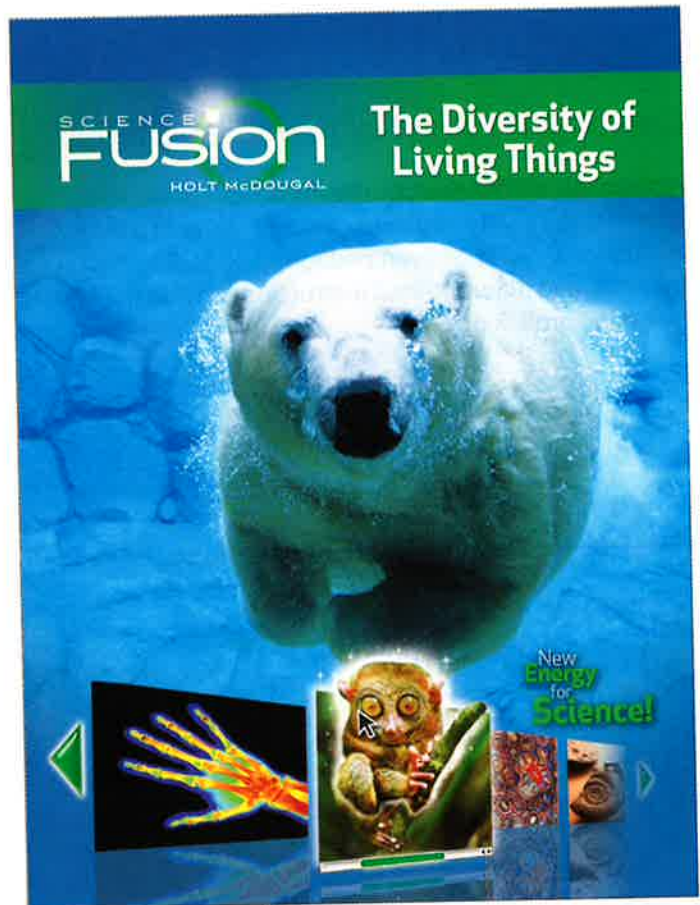
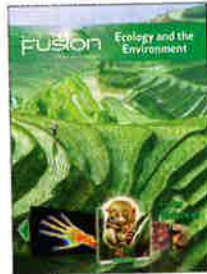
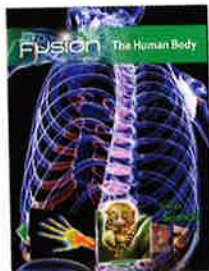
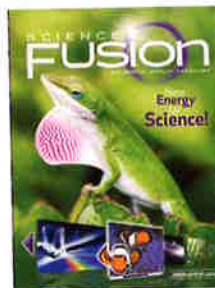
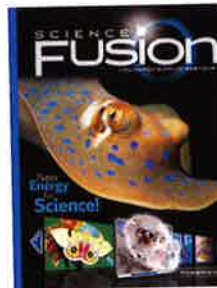
Designed for ease-of-use, these programs feature a consistent chapter structure, video support for each major section, and lots of instructional support. Reviewing, recycling, and clear and concise organization help students stay on track.

World Languages





# SCIENCE **FUSION**





# ScienceFusion: New Energy for Science!

**ScienceFusion**, the newest science program from **Houghton Mifflin Harcourt**, is designed for today's learners. The program offers robust lessons with extensive print and online content. Every click, every page turn, every lab and activity is an opportunity for students to ask questions, think critically, and make informed decisions.

Grades K-8  
Interactive Worktext  
Online Student Interactive Digital Curriculum  
Online Teacher Digital Management Center

To meet the needs of today's student, **ScienceFusion** is designed for multi-modal learning and teaching. This means two very important things:

- 1) Every lesson is designed to be accessed in print and digital environments.
- 2) Learning strategies are specific to the learning experience.

No two students are alike, and each student learns in different ways—visual, kinesthetic, reading, or writing. With **ScienceFusion**, every lesson is designed to be accessed in multiple ways, and you get a full curriculum of digital and print lessons that are complementary. Each lesson provides unique options so students can learn and apply new concepts and skills.

### ScienceFusion's complete science curriculum consists of:

- **eLearning Curriculum:** **ScienceFusion** offers students a full online science curriculum, including digital lessons, virtual labs, Video-based Projects, animations, simulations, and access to science eTextbooks.
- **Write-in Student Worktext:** Research has shown that today's students process information differently, and the Student Worktext is designed to reflect this. Rather than bombard students with page after page of text, the program uses visual cues to draw students through a progression of informative elements.
- **Leveled labs and activities:** Essential Questions connect what students learn in a hands-on setting to the content and skills learned in the write-in textbook and the digital lessons. To help you match instruction to your child's needs, inquiry levels are provided for every lab of **ScienceFusion**.

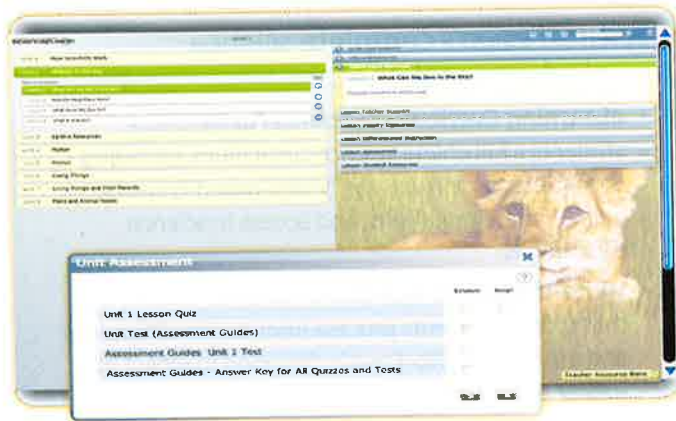


# featured resources

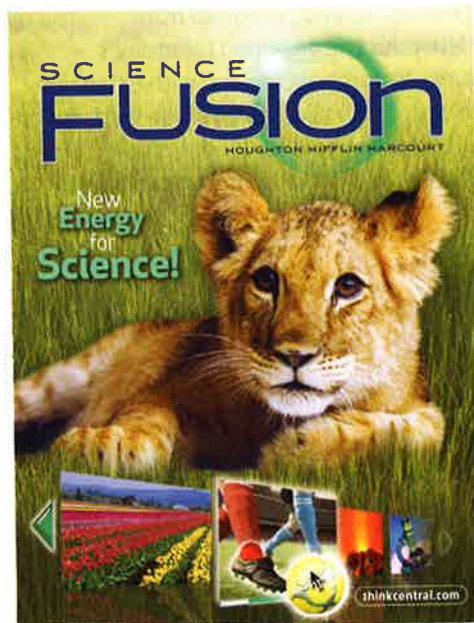
**ScienceFusion** is a comprehensive print and digital curriculum solution that provides all the tools parents need to engage students in exciting, inquiry-based learning at every point of instruction. The effective, research-based program is easy to implement and fun to teach and for students to use.

## Homeschool Kit Components:

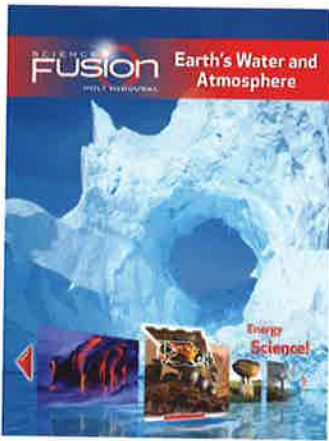
- The Write-in **Student Worktext** is built to address the unique learning needs of today's students. From the verbal/visual format on every two-page spread to the critical thinking developed on every page, **ScienceFusion** provides all learners with access to the content and skills required for science success.
- With simulations, animations, and video, the **Student Interactive Digital Curriculum** is designed to be flexible, so that you can assign the most appropriate parts for your student.



- The **Online Teacher Digital Management Center** is designed to make it easier for you to access all of the program resources—teacher and student—to assist you in planning, teaching, assessing, and tracking your student's progress. **ScienceFusion** offers parents 24/7 access to targeted, research-proven, resources giving you the flexibility to pick and choose the right resources. The **Teacher Digital Management Center** offers you a professional quality management tool to ensure your child's success in science.







## ScienceFusion is available in homeschool packages for Grades K–8.

For Grades K–5, kits include materials for one year of science study. In addition to traditional science topics, each elementary homeschool package includes a unit on science and technology, progressing from science skills to understanding technology to the engineering process.

For Grades 6–8, we offer 11 modules, ten covering key life, earth, and physical science topics plus one on science and technology careers. These modules are not designed as full-year science curriculum; three or four modules can be completed in one year. Modules are appropriate for all middle grades, so parents can choose whether to mix life, earth, and physical science topics or focus on one.

### Middle grades modules include:

- Cells and Heredity
- The Diversity of Living Things
- The Human Body
- Ecology and the Environment
- The Dynamic Earth
- Earth's Water and Atmosphere
- Space Science
- Matter and Energy
- Motion, Forces, and Energy
- Sound and Light
- Introduction to Science and Technology

# contents

## Homeschool Kit Contents

### Student Worktext

- Lessons begin with Essential Question and Engage Your Brain activities
- Active Reading, Visualize It, and Do the Math activities guide students through the lesson and aid understanding
- Lesson review activities check comprehension, apply concepts, and promote critical thinking

### Online Student Interactive Digital Curriculum (one-year subscription)

- Digital Lessons
- People in Science
- Interactive Glossary
- Unit Quizzes
- Virtual Labs

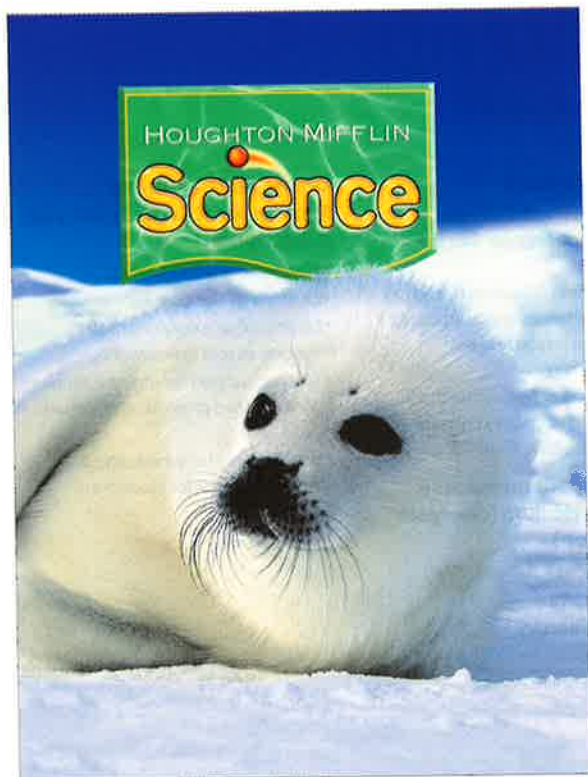
### Online Teacher Digital Management Center (one year subscription)

- Electronic Teacher Edition
- ExamView® Test Banks
- Downloadable versions of all resources and assessments
- Teacher support for digital lessons, Video-Based projects, and Virtual Labs
- Functionality for scheduling and assigning work for students

## price list

### ScienceFusion

Product	ISBN	Price
Grade K	978-0-547-74652-4	56.30
Grade 1	978-0-547-74653-1	168.75
Grade 2	978-0-547-74654-8	168.75
Grade 3	978-0-547-74656-2	168.75
Grade 4	978-0-547-74657-9	168.75
Grade 5	978-0-547-74658-6	168.75
Module A (Cells and Heredity)	978-0-547-74659-3	50.65
Module B (The Diversity of Living Things)	978-0-547-74660-9	50.65
Module C (The Human Body)	978-0-547-74661-6	50.65
Module D (Ecology and the Environment)	978-0-547-74662-3	50.65
Module E (The Dynamic Earth)	978-0-547-74663-0	50.65
Module F (Earth's Water and Atmosphere)	978-0-547-74664-7	50.65
Module G (Space Science)	978-0-547-74665-4	50.65
Module H (Matter and Energy)	978-0-547-74666-1	50.65
Module I (Motion, Forces, and Energy)	978-0-547-74667-8	50.65
Module J (Sound and Light)	978-0-547-74668-5	50.65
Module K (Introduction to Science and Technology)	978-0-547-74669-2	50.65



# price list

## Houghton Mifflin Science

Product	ISBN	Price
Grade 1	978-0-547-35362-3	247.50
Grade 2	978-0-547-35364-7	247.50
Grade 3	978-0-547-35374-6	292.50
Grade 4	978-0-547-35375-3	292.50
Grade 5	978-0-547-35379-1	292.50
Grade 6	978-0-547-35381-4	292.50

## contents

### Student Textbook

- Each grade consists of 13 to 19 chapters arranged in 6 units
- Lessons are presented in two parts:
  - Investigative Activity
  - Learn by Reading
- Extreme Science and Careers features help develop students' interests

### eTeacher's Edition CD-ROM

- Teacher's Edition and Student Edition book pages
- Building Vocabulary
- Assessment Resources
- Reading Skills worksheets
- Chapter Concept worksheets
- Investigate Record worksheets
- Lesson Review worksheets
- Writing in Science worksheets
- Math Skills worksheets
- Unit Review worksheets
- Review and Test Prep worksheets

## Houghton Mifflin Science

This hands-on, inquiry-based program provides:

- A flexible three-step inquiry strategy
- Powerful integration of reading, vocabulary, and writing
- Multiple ongoing assessments to prepare students for success

In each lesson, students investigate a science topic, complete a reading activity and review what they have learned. Additionally, the Focus On section offers additional information on important scientists, technology, and research. Each **Houghton Mifflin Science** Homeschool Package includes a Student Edition and an eTeacher's Edition, which also contains student worksheets, assessments, and more.

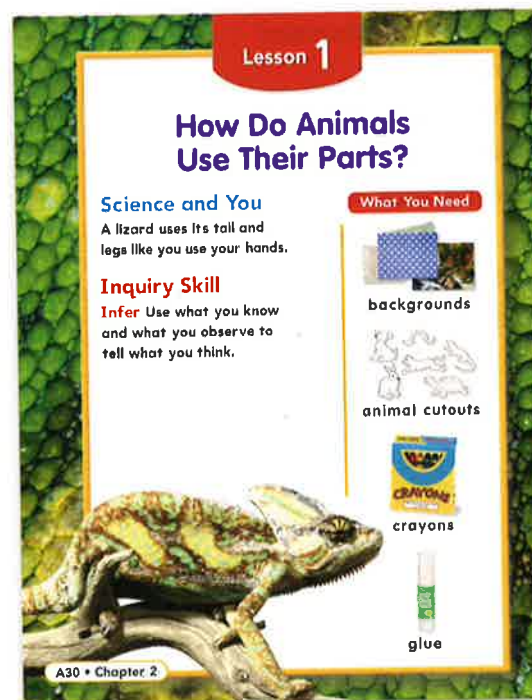
Grades 1–6

6 Units

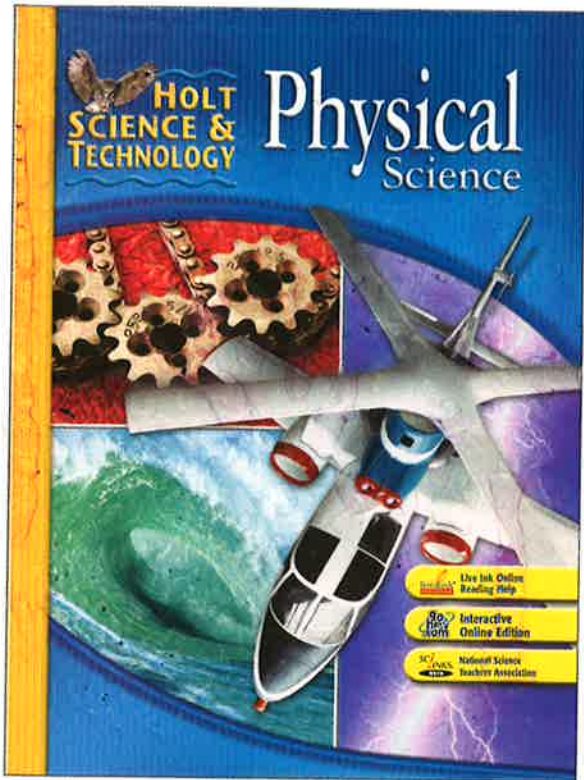
13 to 19 Chapters

Student Edition

eTeacher's Edition CD-ROM



From *Houghton Mifflin Science*, Grade 1, pg. A30.



# price list

## Holt Science and Technology (Grades 6-8)

Product	ISBN	Price
<b>Holt Earth Science</b> with Parent Guide CD-ROM	978-0-547-60816-7	146.30
<b>Holt Life Science</b> with Parent Guide CD-ROM	978-0-547-60815-0	146.30
<b>Holt Physical Science</b> with Parent Guide CD-ROM	978-0-547-60817-4	146.30
<b>Holt Earth Science</b> with Teacher's Edition	978-0-547-35376-0	202.50
<b>Holt Life Science</b> with Teacher's Edition	978-0-547-35388-3	202.50
<b>Holt Physical Science</b> with Teacher's Edition	978-0-547-35378-4	202.50

## contents

### Student Textbook

- Each grade consists of 22 to 28 chapters arranged in 7 to 8 units
- Reading Strategy and Reading Check features help develop comprehension skills
- Features to engage student interest:
  - Math in Focus activities help students apply math skills to lessons
  - Quick Labs and Chapter Labs with online extensions

### Parent Guide CD-ROM

- Daily Lesson Plans
- Overview of each section
- Teaching suggestions for the most essential activities of each lesson
- Optional and Enrichment Activities to explore each lesson in depth
- Additional high-interest information related to the lesson
- Answers to Student Edition Activities

### Chapter Resource CD-ROM

- Skills worksheets, vocabulary review worksheets, and directed reading worksheets
- Lab and activity data sheets
- Quizzes and chapter tests
- Answer keys

# Holt Science and Technology

The **Holt Science & Technology** series combines the content you need with an accessible design, student-friendly narrative, and vivid visuals.

For each chapter, a Pre-Reading Activity helps students organize their ideas, and a Start-Up Activity motivates them. Each section includes Objectives, Key Terms, and a Reading Check to develop reading skills, vocabulary, and understanding.

Grades 6–8

Life Science: 8 Units, 28 Chapters

Earth Science: 7 Units, 22 Chapters

Physical Science: 7 Units, 23 Chapters

Student Edition

Parent Guide CD-ROM Chapter

Resources CD-ROM



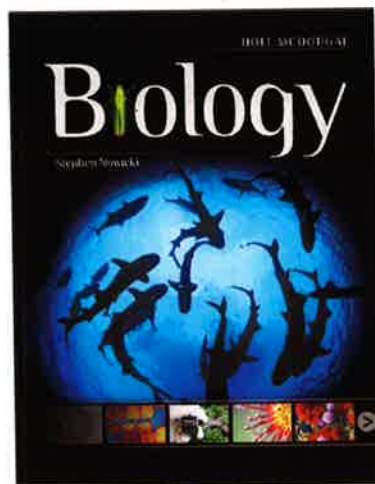
From **Holt Life Science**, pg. 445.

Each **Holt Science & Technology** Homeschool Package (Life, Earth and Physical Science) includes a Student Edition, a Chapter Resources CD-ROM, and a Parent Guide CD-ROM. The Parent Guide offers key elements of the Teacher's Edition in an easy-to-use format. For parents who wish to use a hardcover Teacher's Edition, homeschool packages are available in this configuration as well.

SCIENCE  
grades 1–8

Science





Holt McDougal  
**Biology**

Grades 9–12  
 9 Units  
 34 Chapters  
 Student Edition  
 Premium Interactive Online Edition

**Holt McDougal Biology** is focused on making biology relevant for students through intriguing questions, exciting and easy-to-use technology, and extensive examples in the book and online showing biology in action. A state-of-the-art program, **Holt McDougal Biology**:

- Reflects current biological research.
- Emphasizes real-world connections and data analysis.
- Includes engaging technology such as virtual labs, animated biology simulations, interactive review games, visual concepts, and virtual investigations that allow students to connect with key biology concepts.

**Holt McDougal Biology Contents**

**Student Edition**

- Reading and vocabulary support
- Engaging visuals and real-world connections
- Data analysis activities and QuickLabs
- 1,120 pages

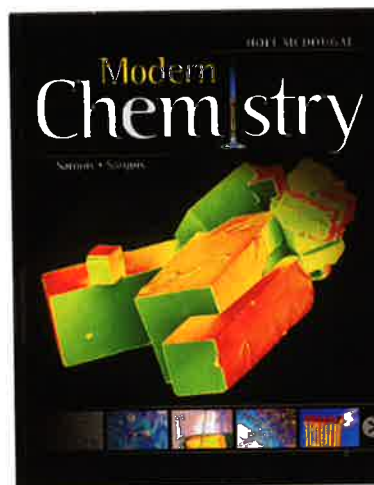
**Premium Interactive Online Edition**

- Interactive Online Student Edition and Teacher Edition
- Reading, Vocabulary, and Concept Mapping Worksheets
- Animated Biology, Virtual Investigations, Video-Based Inquiry, Smart Grapher, and Review Games
- Interactive Reader
- Open-Inquiry Labs, STEM Labs, Virtual Labs, and Video Labs
- Printable Assessments
- Teacher Resources
- And more!

price list

**High School Science (Grades 9–12)**

Product	ISBN	Price
<b>Holt McDougal Biology</b>	978-0-544-14770-6	114.25



Holt McDougal  
**Modern Chemistry**

Grades 9–12  
 23 Chapters  
 Student Edition  
 Premium Interactive Online Edition

**Holt McDougal Modern Chemistry** helps students of all ability levels to grasp challenging concepts through a unique student-friendly design: content is organized around main ideas, strategic vocabulary is highlighted, and Check for Understanding questions help students improve comprehension. **Holt McDougal Modern Chemistry** is a comprehensive text that emphasizes the fundamentals of chemistry and problem solving and covers traditional chemistry topics as well as up-to-date topics.

**Holt McDougal Modern Chemistry Contents**

**Student Edition**

- Why It Matters features engage students
- Problem Solving Practice
- QuickLabs and MathTutor activities
- 944 pages

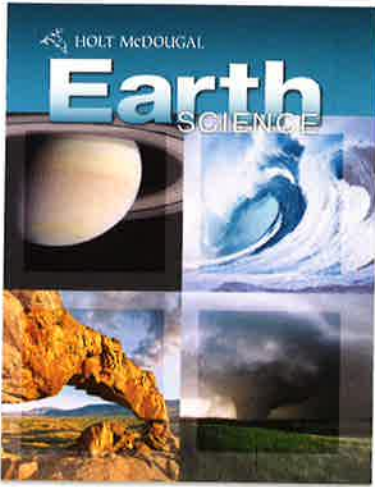
**Premium Interactive Online Edition**

- Interactive Online Student Edition and Teacher Edition
- Section and Chapter Worksheets
- Why It Matters Videos, Animated Chemistry, SmartGrapher, Review Games, and Visual Concepts
- Core Skill Labs, Forensics Labs, Open-Inquiry Labs, STEM Labs, and Virtual Labs
- Online Assessments
- Teacher Resources
- And more!

price list

**High School Science (Grades 9–12)**

Product	ISBN	Price
<b>Holt McDougal Modern Chemistry</b>	978-0-544-14331-9	114.25



Holt McDougal  
**Earth Science**

Grades 9–12  
 8 Units  
 30 Chapters  
 Student Edition  
 Interactive Online Edition  
 Virtual Investigations CD-ROM (optional)

With an emphasis on inquiry, **Holt McDougal Earth Science** provides students with opportunities to observe and apply the scientific processes for Earth science mastery. Students will investigate the core of the Earth and explore far-away planets with comprehensive and up-to-date content that includes vivid images and versatile technology resources.

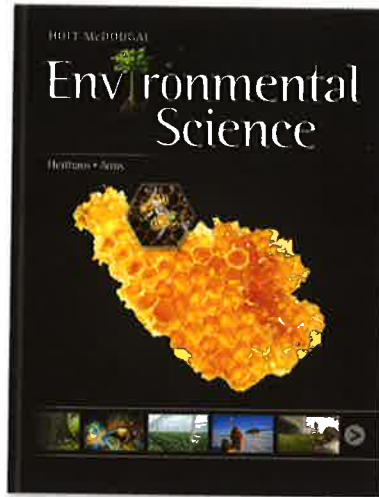
**Holt McDougal Earth Science Contents**

**Student Edition**

- Reading and comprehension features
- Why It Matters
- Varied skills practices reinforce learning
- Labs and Demonstration

**Interactive Online Edition**

- Interactive Online Student Edition and Teacher Edition
- Interactive Reader and Study Guide
- Math Skills and Graphing Skills Worksheets
- Concept Review, Critical Thinking, and Directed Reading Worksheets
- Visual Concepts, Concept Maps, and Internet Activities
- Leveled Chapter Labs
- Online assessments



Holt McDougal  
**Environmental Science**

Grades 9–12  
 6 Units  
 21 Chapters  
 Student Edition  
 Interactive Online Edition

**Holt McDougal Environmental Science** offers an up-to-date balanced approach to the environment, with comprehensive coverage of ecology, Earth science, health and policy topics. Engaging online resources, Case Studies, relevant feature articles, and a wide array of labs actively involve students. The activities and features of this program address the needs of all students, creating understanding and getting students involved.

**Holt McDougal Environmental Science Contents**

**Student Edition**

- Case Studies and EcoFacts engage students
- Maps in Action and Society and the Environment provide real-world connections
- Exploration Labs, Inquiry Labs, and QuickLabs
- 685 pages

**Interactive Online Edition**

- Interactive Online Student Edition and Teacher Edition
- Critical Thinking, Active Reading, and Map Skills Worksheets
- Field Studies, STEM Labs, Probeware Labs, Data Analysis, Environmental Engineering, Observation Labs, and Simulation
- EcoZine, FoldNotes, SmartGrapher, Virtual Investigations, and Interactive Concept Maps
- Online Assessments
- And more!

SCIENCE  
 grades 9–12

Science—Upper Grades

price list

High School Science (Grades 9–12)		
Product	ISBN	Price
<b>Holt McDougal Earth Science</b>	978-0-547-58838-4	114.25

price list

High School Science (Grades 9–12)		
Product	ISBN	Price
<b>Holt McDougal Environmental Science</b>	978-0-544-14332-6	114.25



Holt Science Spectrum:  
**Physical Science** with  
**Earth and Space Science**

Grades 9–12  
3 Parts  
23 Chapters  
Student Edition  
Interactive Online Edition

Holt's introductory **Physical Science** program integrates chemistry, physics, Earth science, space science, and applied mathematics and emphasizes the important connections between these subjects.

**Holt Science Spectrum;  
Physical Science with  
Earth and Space  
Science Contents**

**Student Edition**

- Reading support
- Why It Matters engages student interest
- Math Skills and Science Skills Practice
- Inquiry Labs, Quick Labs, and Chapter Labs
- 968 pages

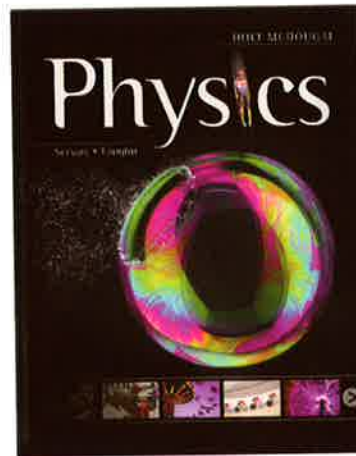
**Interactive Online Edition**

- Interactive Online Student Edition and Teacher Edition
- Concept Review, Science Skills, Math Skills, and Cross-Disciplinary Worksheets
- Interactive Reader and Study Guide
- Lab Videos and Lab Datasheets
- Visual Concepts, Virtual Investigations, Vocabulary Flashcards, and Concept Maps
- Online Assessments
- and more!

price list

**High School Science (Grades 9–12)**

Product	ISBN	Price
<b>Holt Science Spectrum</b>	978-0-547-35347-0	89.50



Holt McDougal  
**Physics**

Grades 9–12  
22 Chapters  
Student Edition  
Premium Interactive Online Edition

**Holt McDougal Physics** balances a conceptual study of physics with quantitative problem solving that is demonstrated in a consistent, four-step method. This method provides students with a framework that helps them solve problems effectively—from identifying givens and unknowns and making a diagram to evaluating the answer.

**Holt McDougal Physics  
Contents**

**Student Edition**

- Why It Matters features help students connect physics to subjects or key events in history or in the world around them
- Problem Solving Support
- Take it Further and Physics on the Edge features engage student interest
- Careers in Physics and STEM features provide real-world connections
- 928 pages

**Premium Interactive Online Edition**

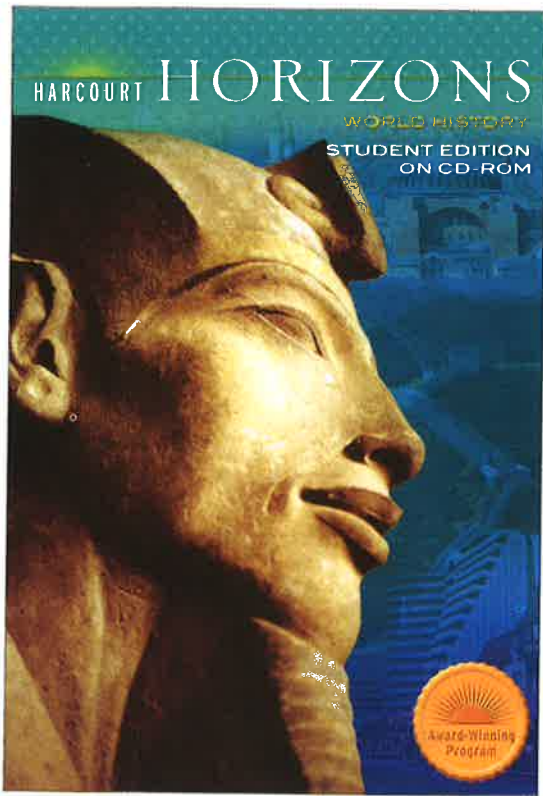
- Interactive Online Student Edition and Teacher Edition
- Sample Problem Sets and Textbook Solutions
- Animated Physics and Visual Concepts
- Chapter and Section Study Guides
- Open-Inquiry Labs, STEM Labs, Virtual Labs and Interactive Demonstrations
- Online Assessments
- and much more!

price list

**High School Science (Grades 9–12)**

Product	ISBN	Price
<b>Holt McDougal Physics</b>	978-0-547-89319-8	114.25





# price list

## Harcourt Horizons

Product	ISBN	Price
Grade 1 with Parent Guide CD-ROM	978-0-547-60837-2	146.30
Grade 2 with Parent Guide CD-ROM	978-0-547-60827-3	146.30
Grade 3 with Parent Guide CD-ROM	978-0-547-60831-0	146.30
Grade 4 with Parent Guide CD-ROM	978-0-547-60821-1	175.50
Grade 5 with Parent Guide CD-ROM	978-0-547-60833-4	175.50
Grade 6 with Parent Guide CD-ROM	978-0-547-60823-5	175.50
Grade 1 with Teacher's Edition	978-0-547-35329-6	292.05
Grade 2 with Teacher's Edition	978-0-547-35330-2	292.05
Grade 3 with Teacher's Edition	978-0-547-35333-3	292.05
Grade 4 with Teacher's Edition	978-0-547-35334-0	340.75
Grade 5 with Teacher's Edition	978-0-547-35350-0	340.75
Grade 6 with Teacher's Edition	978-0-547-35355-5	340.75

## contents

### Student Edition

- Print student edition of textbook featuring maps, reading selections, and vocabulary support
- Reading support worksheets
- Extra practice worksheets

### Parent Guide CD-ROM

- Daily Lesson Plans
- Optional and Enrichment Activities
- Quick Summary
- Good to Know
- Objectives
- Chapter Tests
- Core Activities
- Answers to Student Edition activities

## Harcourt Horizons

Set your sights on **Harcourt Horizons**. This Social Studies program provides relevant content, skills lessons, and reading and vocabulary support.

Lessons include a timeline, vocabulary terms, short reading sections with comprehension questions, and a review.

The **Harcourt Horizons** Homeschool Packages (Grades 1–6) include a Student Edition and a Parent Guide CD-ROM. For parents who prefer the use of a print Teacher's Edition, **Harcourt Horizons** is also available with spiral-bound Teacher's Editions and Student Edition CD-ROM.

**Grade 1—About My World**

**Grade 2—About My Community**

**Grade 3—People and Communities**

**Grade 4—States and Regions**

**Grade 5—United States History**

**Grade 6—World History**

Grades 1–6

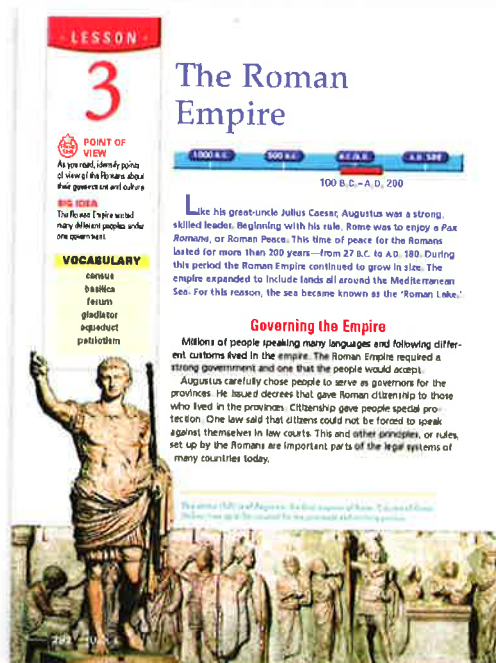
Grades 1–4: 6 Units

Grades 5–6: 8 Units

Student Edition

Parent Guide CD-ROM

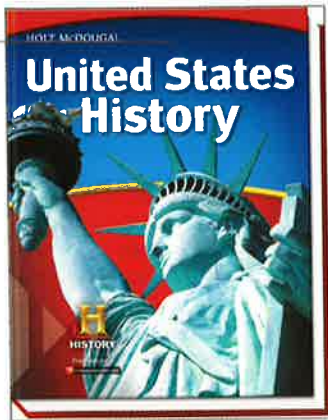
## featured resources



From **Harcourt Horizons**, Grade 6, pg. 292.

SOCIAL STUDIES  
grades 1–6

Social Studies



Holt McDougal

## United States History

**United States History** provides complete coverage of United States history and motivates students with lively, relevant features. Social Studies skills, such as map reading, research, geography, and civic participation, are integrated throughout the program.

**Holt McDougal United States History** is very reader-friendly. Main Ideas and The Big Idea provide a framework for students to approach people and events, preparing them for the concepts and issues that matter most. Compelling stories, told with dynamic visuals, bring people, places and events to life, grabbing students' interest to stimulate and encourage learning.

Grades 6–8  
10 Units  
31 Chapters

Student Edition  
Premium Interactive  
Online Edition

### Contents

#### Student Edition

- History Close-Up, Biography, Primary Sources, and History and Geography put students into the context of the time period, bringing to life the people, places, and concepts that they will learn.
- Develops reading comprehension skills
- 21st-century skills enable students to apply what they know as they move beyond the classroom into civic, responsible endeavors.

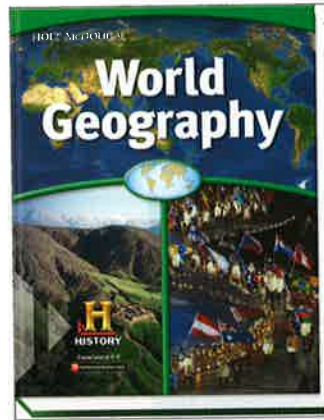
#### Premium Interactive Online Edition

- Whole textbook in digital form with embedded audio at point-of-use and TextHelp
- HISTORY® Videos and games related to biographies and features at point-of-use
- Multimedia Connections, Animated Geography and History
- Essential Question podcast at every chapter
- eActivities, section audio, and a multitude of student resources
- Writing About History and Notetaking Wizard
- Online Assessments
- Teacher Resources
- and more!

#### price list

##### Middle School Social Studies

Product	ISBN	Price
<b>Holt McDougal United States History</b>	978-0-544-14337-1	99.00



Holt McDougal

## World Geography

**Holt McDougal World Geography** is a middle school program that provides rich content that is accessible to all learners through research-based instruction. With a strong narrative centered around Essential Questions, as well as interactive online editions and digital learning tools, **Holt McDougal World Geography** is an innovative, 21st-century program that offers complete coverage of world geography, providing students with a global perspective and critical-thinking skills.

Grades 6–8  
6 Units  
29 Chapters

Student Textbook  
Premium Interactive  
Online Edition

### Contents

#### Student Textbook

- Standards-based content and engaging features
- Case Study—Geography and History
- Focus on Culture—Connecting to...
- Develops reading comprehension skills
- Essential Questions—Focus on Reading and Writing
- Main Ideas and The Big Idea—Section Assessments
- Colorful and easy-to-read maps and graphics

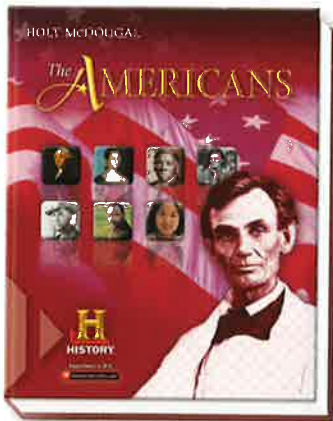
#### Premium Interactive Online Edition

- Whole textbook in digital form with embedded audio at point-of-use and TextHelp
- HISTORY Videos and games related to biographies and features at point-of-use
- Multimedia Connections, Animated Geography, Holt World Atlas, and Worldster
- Essential Question podcast at every chapter
- eActivities, section audio, and a multitude of student resources
- Holt Interactive Graphic Organizers, Notetaking Wizard, and Writing Models
- Online Assessments
- Teacher Resources
- and more!

#### price list

##### Middle School Social Studies

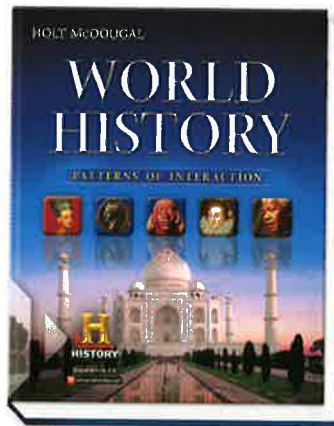
Product	ISBN	Price
<b>Holt McDougal World Geography</b>	978-0-544-14592-4	100.75



Holt McDougal

# The Americans

**Holt McDougal The Americans** is a high school American History program that explores the story of United States history, weaving the reflections of people who experienced history firsthand through the narrative. Thought-provoking lessons with reading support and multimedia content make history human and relevant to students' everyday lives, helping them to realize the richness of our nation's history.



Holt McDougal

# World History: Patterns of Interaction

**Holt McDougal World History: Patterns of Interaction** gives every student a first-hand account of history through document-based questions that help develop and improve critical-thinking skills.

**Holt McDougal World History: Patterns of Interaction** is filled with compelling visuals and has a variety of student-friendly features designed to enhance the learning experience. With this support, every student can understand world history from a global perspective and from a deeper, more personal level.

SOCIAL STUDIES  
grades 9–12

Grades 9–12  
9 Units  
34 Chapters

Student Edition  
Interactive Online  
Edition

Grades 9–12  
8 Units  
36 Chapters

Student Edition  
Interactive Online Edition

## Contents

### Student Edition

- Strong narrative centered around Essential Questions with integrated skills development and critical-thinking components.
- Reading strategies and skill development

### Interactive Online Edition

- Whole textbook in digital form with embedded audio at point-of-use and TextHelp
- Unit-level Multimedia Connections with HISTORY® video, primary sources, and maps
- HISTORY® Videos and games related to biographies and features at point-of-use
- Essential Question podcast at every chapter
- Primary Source, Interactive World Atlas and Maps, Current Events, Notetaking Wizard, and Web Research Guide
- eActivities, section audio, and a multitude of student resources
- Online Assessments
- Teacher Resources
- and more!

## Contents

### Student Edition

- Emphasizes the big picture with clear connections between geography and history, between world history themes and chapter connections, and across units with enduring understandings.
- Maps, graphic organizers, and other high-interest visuals make world history content more accessible
- Primary sources to promote critical thinking
- Reading Toolkit improves content-area reading while building social studies skills

### Interactive Online Edition

- Whole textbook in digital form with embedded audio at point-of-use and TextHelp
- Unit-level Multimedia Connections with HISTORY® video, primary sources, and maps
- HISTORY® Videos and games related to biographies and features at point-of-use
- Essential Question podcast at every chapter
- eActivities, section audio, and a multitude of student resources
- Primary Source, Interactive World Atlas and Maps, Current Events, Notetaking Wizard, and Net Explorations
- Online Assessments
- Teacher Resources
- and more!

## price list

### High School Social Studies

Product	ISBN	Price
<b>Holt McDougal The Americans</b>	978-0-544-14336-4	114.25

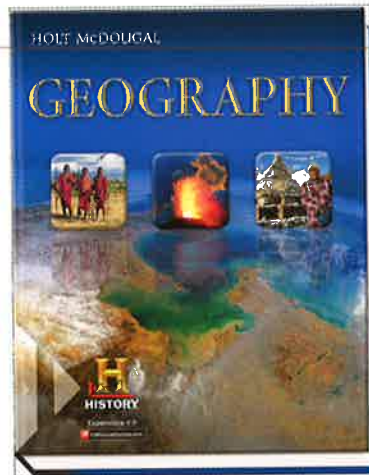
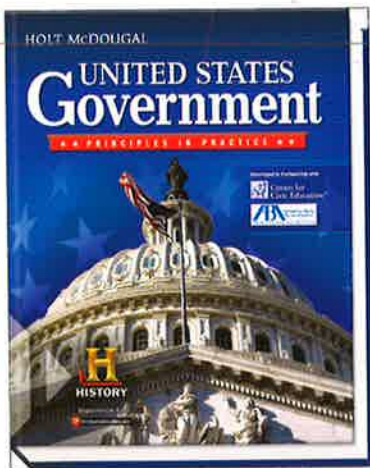
## price list

### High School Social Studies

Product	ISBN	Price
<b>Holt McDougal World History: Patterns of Interaction</b>	978-0-544-14589-4	112.60

Social Studies—Upper Grades





## Holt McDougal United States Government

Grades 9–12  
2 Units  
16 Chapters  
Student Edition  
Interactive Online Edition

The subject of government can be challenging, yet comprehension is crucial in order to successfully participate in the democratic process. That's why **Holt McDougal United States Government** is an innovative program designed to actively involve students in the learning process.

### Contents

#### Student Edition

- Offers both the big picture and the finer details of the democratic principles and practice, while providing reading support

#### Interactive Online Edition

- *Interactive Online Student Edition and Teacher's Edition*
- Online Simulations of how a bill becomes a law, the judicial process, the presidential election process, a foreign-policy decision, and the federal budget process

- Landmark Supreme Court Cases Online Extension/Support
- New York Times *Archive Research Activities and WebQuests*
- *Current Events*
- Biography Activities
- Primary Source Activities
- Political Cartoons
- Guided Reading Activities
- Economics and Government Activities
- Civic Participation Activities Guide
- Online Assessments
- Teacher Resources
- and more!

### price list

#### High School Social Studies

Product	ISBN	Price
<b>Holt McDougal United States Government</b>	978-0-544-14335-7	100.75

## Holt McDougal Geography

Grades 9–12  
10 Units  
32 Chapters  
Student Edition  
Premium Interactive Online Edition

**Holt McDougal Geography** uses an engaging visual manner that captures students' attention and challenges them to make geographic comparisons and connections. It motivates students to explore current geographic issues to show the relevance of geography to current events. It is clearly organized between physical geography, human geography, and today's issues (current events). It balances a big picture approach to world regions with attention to individual countries where appropriate.

### Contents

#### Student Edition

- Motivates students to interact with geography through visuals and current events
- Encourages students to make comparisons between physical and human geography by exploring the similarities and differences across cultures

#### Premium Interactive Online Edition

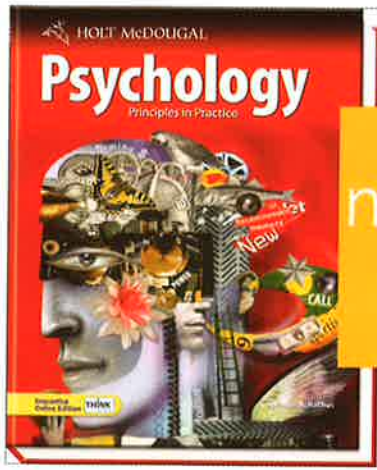
- Interactive Online Student and Teacher's Edition

- HISTORY® Videos and games related to biographies and features at point-of-use
- Essential Question podcast at every chapter
- eActivities, section audio, and a multitude of student resources
- Multimedia Connections, Animated Geography, Chapter Review Maps, Interactive World Atlas, Current Events, and Notetaking Wizard
- Online Assessments
- Teacher Resources
- and more!

### price list

#### High School Social Studies

Product	ISBN	Price
<b>Holt McDougal Geography</b>	978-0-544-14334-0	96.35



new low price!

Holt McDougal

## Psychology: Principles in Practice

Grades 9–12  
10 Units  
33 Sections  
Student Edition  
Online Student Access  
Online Teacher Access

Learning how to look at life from different perspectives is exciting and enriching for students. With **Holt McDougal Psychology: Principles in Practice**, they will learn how to understand their world and their role in it—“How does experience affect the way I perceive the world?” “What factors have influenced the kind of person I am now and what I will be like in the future?”

Writing in a high-interest style that appeals to today’s high school students, Dr. Spencer Rathus engages students in the study of psychology. **Holt McDougal Psychology: Principles in Practice** treats psychological issues in a manner appropriate for high school students, while capturing their interest and building enthusiasm for further study. This program helps students to understand themselves and the world around them.

### Contents

#### Student Edition

- High-interest features to illustrate relevance
- Critical thinking and active learning features

#### Online Student Edition

- Access the textbook chapters online using easy navigation methods.
- eActivities: Chapter-specific online activities, interactive maps, video, and section assessment and online quizzes, along with eResources such as graphic organizers, the Holt World Atlas, the Current Events page, and other online tools and resources.

- References: Additional material from the front and back of the text, including the English and Spanish glossaries, skills handbooks, and more.

- Student Resources: chapter and section resources, including reading support, enrichment activities, skill development activities, and section and chapter review assessment

#### Online Teacher’s Access

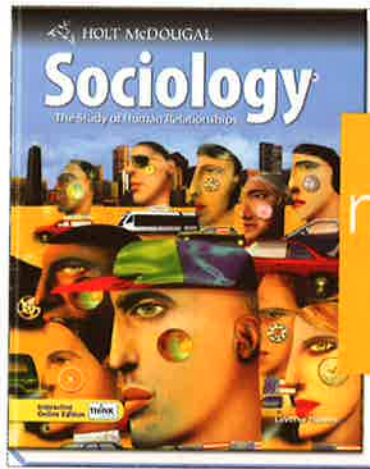
- Chapter and section resources
- Reading support and enrichment activities
- Skill development activities
- Section and chapter review assessments
- Teacher resources
- Media resources
- Transparencies
- PowerNotes Presentations
- eActivities
- Answer keys
- And more!

### price list

#### High School Social Studies

Product	ISBN	Price
<b>Holt McDougal Psychology: Principles in Practice</b>	978-0-544-80994-9	98.95

800.225.5425



new low price!

Holt McDougal

## Sociology: The Study of Human Relationships

Grades 9–12  
10 Units  
32 Chapters  
Student Edition  
Online Student Access  
Online Teacher Access

### Holt McDougal Sociology: The Study of Human

**Relationships**—written specifically for high school students by high school teachers—provides comprehensive coverage of introductory sociology concepts. It offers high school appropriate content that illustrates current theories and allows students to discover the meaning behind behavior and society’s impact on the individual as they master content, manipulate data, and create models. Readings and case studies provide students with opportunities to analyze current, relevant issues and promote analysis and critical-thinking skills.

### Contents

#### Student Edition

- High-interest features to illustrate relevance
- Critical thinking and active learning features

#### Online Student Edition

- Access the textbook chapters online using easy navigation methods.
- eActivities: Chapter-specific online activities, interactive maps, video, and section assessment and online quizzes, along with eResources such as graphic organizers, the Holt World Atlas, the Current Events page, and other online tools and resources.

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- Chapter and section resources
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- Section and chapter review assessments
- Teacher resources
- Media resources
- Transparencies
- PowerNotes Presentations
- eActivities
- Answer keys
- And more!

### price list

#### High School Social Studies

Product	ISBN	Price
<b>Holt McDougal Sociology: The Study of Human Relationships</b>	978-0-544-80995-6	98.95

hmc.com/homeschool

SOCIAL STUDIES  
grades 9–12

Social Studies—Upper Grades

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HOMESCHOOL  
grades K-12

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Additional Resources

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HOMESCHOOL  
grades K-12

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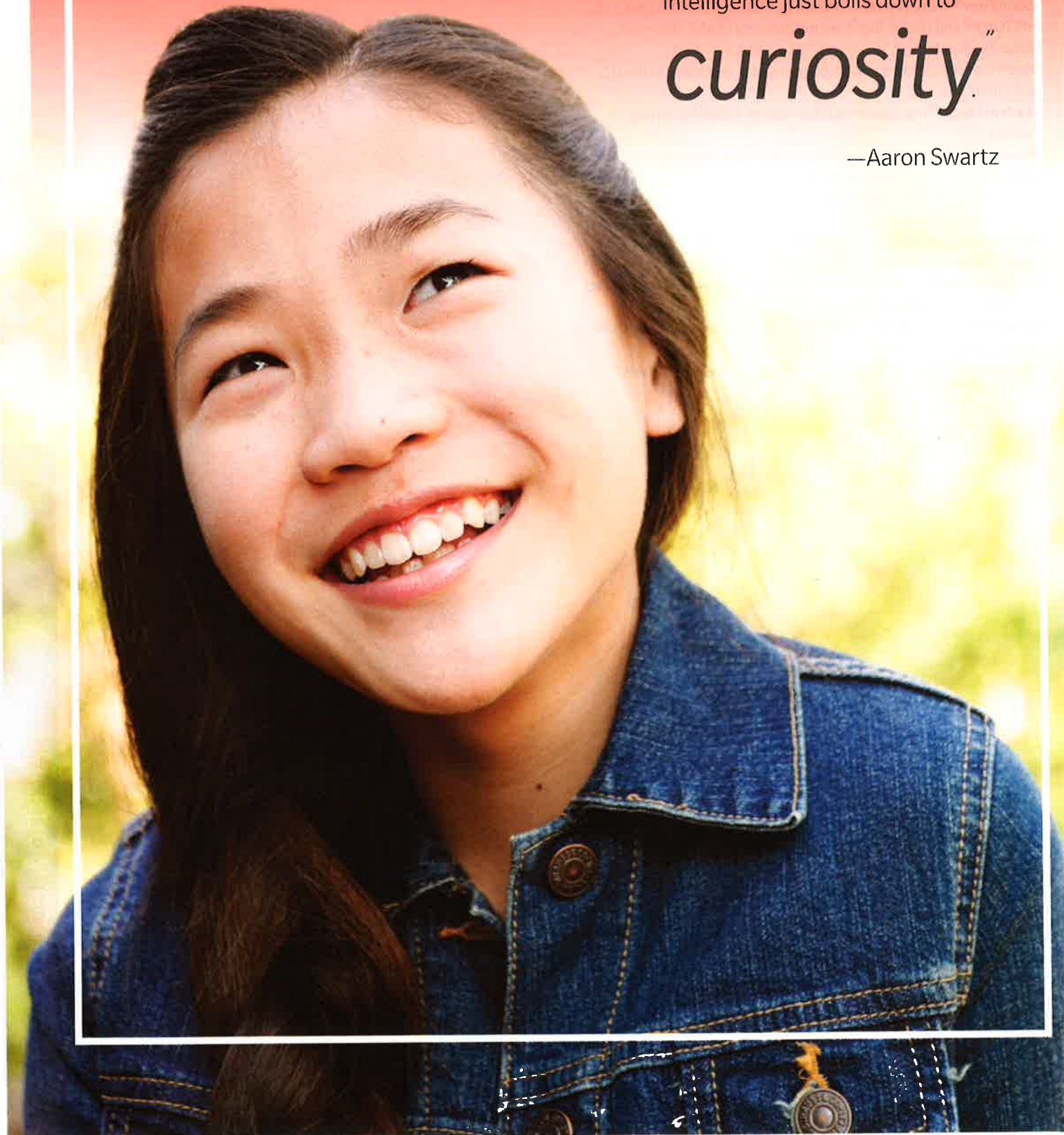


# Inspiring Curiosity

“Be curious. Read widely.  
Try new things. What people call  
intelligence just boils down to

*curiosity.*”

—Aaron Swartz



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# Inspiring Curiosity

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—Albert Einstein