

# Art and Music

Art and music are two important parts of an education that can be studied and explored in an endless variety of ways. Unlike math or science, the learning objectives for art and music cannot be as neatly quantified or defined. The main goal of art and music is to enjoy them and use them to glorify God. We have many great classes on SchoolhouseTeachers.com that can help you do just that!

If you're interested in specific academic goals for art and music, you'll find some general guidelines listed on the following pages. It is often most helpful if you naturally incorporate art and music into other subjects whenever possible (such as studying the art of ancient Egypt or the music of Russia alongside history and social studies).

Whenever possible, take field trips (either physical or virtual) with your children to explore art and music in a living, breathing way. Visit a museum, enjoy a musical performance, watch tradesmen in action, and dig in and try as many styles and techniques as you have time and the opportunity to enjoy!

Keep in mind as you explore art that it can cover a wide variety of techniques and media. It includes drawing and painting, but it also includes animation, architecture, casting, ceramics, computer graphics and applications, construction, dance or other creative movement, digital arts, drama (including mime, storytelling, and technical aspects of theater), drawing, film, graphic design, improvisational music, instrumental music, metal sculpture, mosaics, photography, printmaking, sculpture, textiles and fiber art, and much more.

Another integral part of art and music studies is reading biographies of famous artists and composers. You can find suggested reading lists about architecture, music, art, and art history in our [Book Lists for Families](#). Enjoy!

# Art and Music

## 1st–3rd Grade Art

- Explore colors. Know the primary colors and how they are mixed to produce secondary colors. Understand intermediate colors. Understand the color wheel and learn about tints and shades.
- Start exploring elements of art including line, shape, texture, space, light, shadow, and value (lightness or darkness of a color) and start seeing how you can spot these in works of art. Understand foreground, middle ground, and background and how elements of art work together to create a focus or center of interest.
- Start becoming familiar with famous works of art by a variety of artists from a variety of time periods.
- Understand the difference between portraits, still lifes, abstract art, and landscapes.
- Draw a self-portrait.
- Continue to experiment with many different types of media.
- Begin learning to group paintings by artist.

### On SchoolhouseTeachers.com

[Elementary Art – Lessons in Self-Portraits](#) (iST): 5 weekly lessons for 1st grade

[All About Art](#): 6 weeks for 1st–3rd grade

[All About Artists](#): 6x weeks (Unit Studies and More page) for 1st–3rd grade

[Introduction to Colors](#): 6 lessons (Unit Studies and More page) in 1st grade

[Elementary Art – Twelve Great Artists](#) (iST): 12 artist biographies for 1st–4th grade

[Achieving Art Success with ArtAchieve](#): Level I, 7 units each year of 2nd and 3rd grade

[Elementary Art – Advent Art](#) (iST): 10 advent-themed lessons for 1st–4th grade

[Everyday Easels](#): over 75 one- and two-week unit studies for Kindergarten–12th grade

[Exploring the World of Art](#): 12 units for 3rd–12th grade

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# Art and Music

## 1st–3rd Grade Art

On [SchoolhouseTeachers.com](https://www.schoolhouseteachers.com) (cont.)

[Let's Do Art Outside](#): 20 outdoor arts and crafts projects for 1st–4th grade

[World Book Kids](#) includes fun art projects under Activities: Craft Room, Doodle and Design, and Paper Patterns.

In our Electives category, we also have [Heritage Crafts](#) (all ages), [Photography](#) (2nd–12th grade), and [Hands-On Architecture](#) (3rd–7th grade).

# Art and Music

## 1st–3rd Grade Music

- Become familiar with elements of music including rhythm, melody, harmony, pitch, dynamics, tempo, and timbre.
- Know the definition of scale, staff, and treble clef.
- Know the names of the lines and spaces on the treble clef.
- Sing the C major scale (do, re, mi, fa, so, la, ti, do).
- Identify whole, half, quarter, and eighth notes and whole, half, and quarter rests.
- Recognize and understand 4/4, 2/4, and 3/4 meter signatures and the symbols *p*, *pp*, *f*, and *ff*.
- Enjoy and memorize traditional and fun songs.
- Learn the four families of instruments in the orchestra (strings, brass, woodwinds, and percussion) and know which instruments belong to each.
- Experiment with simple musical instruments.
- Listen to music by various composers.

## On SchoolhouseTeachers.com

[Music Theory I](#): 16 weeks of the primary level in 1st, 2nd, or 3rd grade

[Music Theory II](#): 16 weeks of the primary level in 1st, 2nd, or 3rd grade

[Music Mania](#): in the Unit Studies and More section

[Great Musicians](#): 12 units for 1st, 2nd, or 3rd grade

Students may also enjoy the one-week [Ditch the Desk](#) study about Meaningful Music.

[World Book Kids](#) includes fun music projects under Activities: Make Some Noise.

Additionally, SchoolhouseTeachers.com offers [Recorder](#), [Guitar](#), [Drum](#), and [Beginning Violin](#) lessons that can be started at any grade. [Fun with Music](#) also offers games for music terminology review for 3rd–12th grade.

# Bible

While Bible is not typically included in secular curriculum lists, to most Christian families, it is the most important subject. SchoolhouseTeachers.com meets this need in several ways, led by the highly recommended:

[Schoolhouse Bible](#): 36 weeks per grade level of Bible reading plans for Preschool–Grade 12.

Meanwhile, there are over 30 other Bible courses for all ages from Preschool–Grade 12 in many subjects, including video-based and text-based learning, apologetics, Bible study, Christian character, and more. Please browse the [View by Subject: Bible](#) page to learn more.

Courses in every subject area on SchoolhouseTeachers.com are written from a Biblical worldview. Some that may assist with Bible study are [Breadmaking Devotional](#) (electives), [Geography of the Bible](#) (geography), [Dinosaurs and the Bible](#) (science; iST), and [Drive Thru History: Bible Backroads](#), [Church History](#), and [History of Christianity](#) (history).

In addition, the [Unit Studies: Bible](#) section has a dozen more short studies in various topics, and the [Just for Parents](#) section has topical encouragement for moms and dads as well, including titles such as In Due Season and Joy in the Morning.

Finally, there are multiple biographies of Christian missionaries and heroes of the faith in [Lighting the Way](#) (elementary) and the [Unit Studies: History](#) page (middle grades).

# Computer and Technology

Suggestions regarding what computer and technology skills should be learned at each grade level vary widely. We have included a list below of the courses we have for these skills and the recommended grade levels for each class.

[Building Blocks of Computer Science](#): 10 units for K–5th grade

[Editing Photos with GIMP](#): 36 weeks for 6th-12th grade

[How to Use Microsoft Excel](#): 18 weeks for 6th-12th grade

[How to Use Microsoft Word: Beyond the Basics](#): 16 weeks for 6th–12th grade

[Inkscape Online Adventure](#): 32 weeks for 8th–12th grade

[Internet Entrepreneurship for Teens](#): 24 weeks for 8th–12th grade

[Keyboarding](#): 10 lessons for 3rd–12th grade

[LibreOffice Writer® Basics](#): 50 lessons for 5th–12th grade

[Podcasting to Change the World](#): 6 units for 8th–12th grade

[Web Game Design](#): 42 lessons for 7th–12th grade

Plus a roundup of technology websites and resources in [Unit Studies: Computer and Technology](#).

# Drama and Speech

Suggestions regarding what drama and speech skills should be learned at each grade level vary widely. We have included a list below of the courses we have for these skills and the recommended grade levels for each class.

[Reader's Theater](#): 76 units for 3rd–6th grade

[Simply Shakespeare](#): more than a dozen plays for 3rd–9th grade (instructions given for single-child families)

[In the Limelight](#): study of a series of novels for 4th–10th grade (instructions given for single-child families)

[Introduction to Public Speaking](#): 20 weeks for 8th–12th grade

[Advanced Public Speaking](#): 18 weeks for 8th–12th grade

# Electives

We have included a list below of our elective courses and the recommended grade levels for each class.

[Heritage Crafts](#): 8 units to be enjoyed as a family

[Homesteading](#): dozens of topics to be enjoyed as a family

[Whole Foods Cooking with Sue Gregg](#): 14 weeks to be enjoyed as a family

[Home Economics](#): 23 weeks for K–4th grade; portions of this course are incorporated into the health scope and sequence for Kindergarten and 2nd grade

[Breadmaking Devotional](#): 12 lessons for 1st–12th grade

[Fun with Cooking](#): 28 lessons for 2nd–6th grade

[Hands-On Design Fun](#): 41 lessons for 2nd–6th grade

[Hands-On Learning Activities Through Crafts](#): 5 units for 2nd–9th grade

[Photography](#) and [Photography Challenge](#): 30 weeks plus 48 challenges for 2nd–12th grade

[Wildlife Adventures](#): 15 weeks for 3rd–6th grade

[Hands-On Architecture](#): 27 weeks for 3rd–7th grade

[Media Socialization](#): 19 weeks for 6th–12th grade

[Introduction to Architecture](#): 37 weeks for 6th–12th grade

[Editing Photos with GIMP](#): 36 weeks for 6th–12th grade

[Introduction to Graphic Design](#): 17 weeks for 6th–12th grade

[Career Exploration](#): 8 weeks for 7th–12th grade

[Filmmaking](#): 33 weeks for 7th–12th grade

[Logic](#): 15 weeks for 7th–12th grade

[Money 101](#): 7 weeks for 7th–12th grade

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## Electives (cont.)

[Personal Finance in Bite-Size Chunks](#): 21 lessons for 7th–12th grade

[Starting a Micro Business \(for Teens\)](#): 8 weeks for 8th–12th grade

[Accounting 101](#): 18 weeks for 9th–12th grade

[College Choice Guidance](#): 32 weeks for 9th–12th grade

[High School Home Economics](#): 18 units for 9th–12th grade

[SAT-ACT Math Test Prep](#): self-paced practice for 9th–12th grade

[Psychology: Learning about the Mind from a Christian Perspective](#): 36 weeks for 11th–12th grade

You might also enjoy a four-week [Lapbooking](#) unit for upper elementary and middle school about the History of Photography.

# English Language Arts

Language arts is a broad heading that can incorporate many subjects depending on the approach taken. It varies from one curriculum to another, but often found under language arts are phonics/reading, reading comprehension, handwriting, literature, writing and composition, grammar, listening and speaking skills, and research skills.

One important element of language arts curricula is that the skills learned early in an education (such as capitalization and punctuation rules) are continually used throughout the student's journey. Even if the specific skills are not repeated in this scope and sequence each year, it is understood that the student is to continue to use what he or she has learned previously, reviewing as necessary.

## Reading

When possible, have your student read as many varied types of materials as he or she can. For prekindergarten and kindergarten emerging readers, creating a print-rich environment is important. Manipulating letters to sounds and sounds to words are the building blocks for reading. At this level, everything is readable—cereal boxes, signs, traditional text, names, etc.

In first to third grade, types of reading to become familiar with might include fiction, nonfiction, legends, fables, folktales, fairy tales, poetry, calendars, recipes, and hymns. In fourth and fifth grade, this can expand to include classic and contemporary literature, magazine articles, and newspapers. By sixth grade, readers should be exploring novels, short stories, biographies, autobiographies, plays, essays, and the classics.

## Pre-Reading/Reading/Phonics

There are many effective approaches to teaching reading, and SchoolhouseTeachers.com offers a variety of options to meet different needs. Many of our early reading courses can be found in the [Focus on Reading Center](#), which gathers them in one convenient location.

A particularly valuable resource we've developed is the [Literacy Center](#), designed to help you teach foundational reading skills for Kindergarten through 4th grade. This easy-to-navigate tool presents essential reading skills in the order they are typically acquired, allowing each skill to build logically on the previous one. You'll find simple assessments, helpful teaching tips, creative ideas, and direct links to relevant lessons on SchoolhouseTeachers.com, all in one place.

For focused phonics instruction, the [Reading Remedies](#) course is another powerful tool. Created by a reading specialist, it includes lessons on phonics, reading fluency, spelling, and more. Whether you're introducing reading to young learners or providing remedial help for older students, this course offers clear, structured support.

[Teaching Reading Through Play](#) is also an excellent, stand-alone kindergarten course that provides key foundational skills and is especially helpful for the highly active child. [Independent Morning Work for Kinders](#) provides numerous worksheets for additional review and practice.

[Welcome to Reading](#) features 46 eBooks to build early reading skills and comprehension.

# Reading

## 3rd Grade: Reading Comprehension

- Continue to build reading fluency.
- Begin the practice of taking notes on selected reading.
- Explain how different characters view events differently.
- Explain differences between the author or character's point of view and the reader's.
- Understand how a character's actions contribute to or advance the plot.
- Describe how parts of a story, poem, or drama build on other parts.
- Compare and contrast themes or ideas in two texts about the same topic or by the same author.
- Be able to alphabetize to the third or fourth letter.
- Understand the difference between biography and autobiography.
- Continue to sharpen ability to identify cause and effect in a story.
- Continue to develop ability to make inferences, draw conclusions, and predict outcomes.
- Continue to develop understanding of how to identify character motives, plot, conflict, point of view, foreshadowing, idioms, personification, metaphor, simile, humor, sarcasm, and suspense in a story or poem.
- Build knowledge of rhyme, repetition, alliteration, simile, and metaphor in poetry.
- Introduce the limerick and quatrain as poetic forms.
- Identify the author's purpose as to persuade, inform, or entertain.

(cont.)

# Reading

## 3rd Grade: Reading Comprehension

On SchoolhouseTeachers.com (cont.)

You can find these resources in the [Literacy Center](#) on SchoolhouseTeachers.com.

You may also enjoy [Fun with Fairy Tales](#), 9 lessons for 2nd–4th grade.

Don't miss [Lapbooking](#) units that combine reading, writing, and critical thinking skills for multiple grade levels and [Book Lists for Families](#), which has book suggestions divided by grade level and topic.

[Story Skills for Reading Comprehension](#) (iST): 36 weeks for 2nd–4th grade, will take your student through multiple stories, examining the parts which make it interesting. Students will learn about characters, conflict, plot, and point of view, among other skills. Those skills, in turn, lead to a deeper comprehension of the story being read.

[Welcome to Reading](#) features 46 eBooks to build early reading skills and comprehension.

Each book-length unit study in [Loving Literature through Chapter Books](#), for 2nd–6th grade, provides your family with the opportunity to read and explore a different chapter book.

## Additional Reading Resources

[The AMO® Program: Nurturing the Heart for God](#) uses Biblical and classic literature to cultivate a Christian worldview, sensibilities, and character.

[Ditch the Desk](#): stand-alone units on Jack and the Beanstalk, the Emperor's New Clothes, and writing your own fairy tale. [Growing Readers](#): activities to supplement *Owls in the Family* and *Pippi Longstocking*.

[Adventures with Books](#): suggested reading lists based on a theme and related activities you can do with your family to bring the stories to life.

[Ditch the Desk](#): Test Taking—Week 3 offers tips to make reading comprehension tests less stressful.

[Loving Literature through Chapter Books](#): Each book-length unit study will provide your family with the opportunity to read and explore a different chapter book. Whether you choose to study one or all of the novels included in the course, we know that you will love these books as much as we do.

[Reading Remedies](#) provides specific phonics instruction and strategies for struggling readers of any age.

[Daily Puzzlers](#) are language-based logic puzzles that vary in difficulty and include puzzles for 2nd through 12th grade. They promote critical thinking, vocabulary, and reading comprehension.

# Spelling

## Kindergarten–12th Grade: Spelling

[Schoolhouse Spelling](#) (iST for K–3): provides a full K–12 spelling curriculum on SchoolhouseTeachers.com.

In addition to the phonics units, [Reading Remedies](#) has three units which address spelling: Reading and Spelling Multisyllable Words, Spelling by Word Parts, and Improving Reading and Spelling Skills in Science.

For extra spelling fun, explore the [spelling-themed games](#) that are part of the Everyday Games series.

# Handwriting

Developing handwriting skills is an essential part of early education, supporting fine motor development, hand-eye coordination, and foundational literacy. Children typically begin learning proper pencil grip and basic tracing in Preschool, laying the groundwork for more structured instruction. From Kindergarten through 3rd grade, handwriting is formally taught, progressing from manuscript to cursive, which is often introduced around third grade as students gain confidence and control in written expression. Copywork can continue to be useful in higher grades, both to reinforce handwriting and to improve memory and retention.

## Kindergarten

Kindergarteners continue to build on the prewriting skills they've learned previously. They need to know how to hold and position paper and pencil, how to form their letters, and generally how to align and space their letters. They need to be able to print all the letters of the alphabet in upper and lower case, print their first and last names, and write simple words.

### On SchoolhouseTeachers.com

[Beginning Handwriting and Phonics](#) covers topics such as pencil grip, prewriting skills, letter formation, and tips and tricks for remembering which letter is which.

[Color Block Handwriting](#) emphasizes correct letter formation, with memory devices and extra visual support to address reversals.

# Handwriting

## 1st–2nd Grade

Handwriting in first grade focuses on improving the legibility of printed letters, words, and sentences. Spacing and alignment should gradually improve during this time.

## 3rd Grade

Cursive handwriting is often introduced in third grade.

## On SchoolhouseTeachers.com

[Color Block Handwriting](#) teaches proper formation of printed letters.

[Everyday Copywork](#) brings your student penmanship practice, in both print and cursive, through copying Bible portions, excerpts of literature, historical selections, and much more. There are many different lengths, and the copywork varies in difficulty, so it is suitable for many ages. You will also find alphabet worksheets for the little ones who are just learning to print.

# Writing and Composition

We encourage you to incorporate writing in as many subjects as you can. Students can write recipes, create historic journals, write instructions for how to program a computer, keep a journal, etc. The possibilities are endless and do not need to be confined to a portion of a language arts curriculum.

Please note: The focus of the writing and composition section of this scope and sequence is on creativity and composition, not the physical act of writing. If your child struggles with the physical act of writing, please take a look at Judi Munday's [Special Needs Lessons 15 and 16](#) for alternative ways you can help your child express his or her thoughts.

# Writing and Composition

## 3rd Grade

In addition to the graphic organizers such as word webs, time-order charts, story maps, senses charts, and note cards, expand your student's tools for brainstorming by teaching him or her to create opinion charts, plot pyramids, and Venn diagrams.

Help your student continue to build his or her proofreading and revising skills.

To the couplets and shape poems already introduced, add similes, rhyming riddles, and alliterative phrases to your student's knowledge of poetry.

Students should learn to write short research reports, including learning to use proper paragraph structure, using transitional words and phrases to connect ideas, and gathering information from print and digital sources. Reports should state a topic or purpose, supply relevant facts and reasons, and present a conclusion.

Students should write short stories that include dialogue and description that helps develop characters and events, that put events in the proper order, and that provide a conclusion.

Students should continue to explore a wide variety of writing assignments including stories, personal narratives, poems, essays, reports, journals, book diaries, family newsletters, game instructions, personal letters, realistic fiction, book reports, sound poems, news articles, descriptive paragraphs, plays, and tall tales.

### On SchoolhouseTeachers.com

[Here to Help Writing Flight 1, Paragraph Level](#): 32 weeks

[Here to Help Writing Flight 2, Paragraph Level](#): 32 weeks

[Here to Help Writing Flight 3, Paragraph Level](#): 32 weeks

[Language Arts for Elementary: Key Skills](#): 36 weeks

# Grammar

## 3rd Grade

In building on what has been previously learned, third graders need to also learn:

- to correctly use collective nouns
- the job of helping verbs
- the use of articles
- to form the plural of regular and irregular nouns
- reflexive, subjective, objective, and possessive pronouns
- the job of adjectives and the rules governing their use
- the job of adverbs and the rules governing their use
- compound sentences
- sentence parts including simple, compound, and complete subjects and predicates
- basic diagramming
- more work with contractions
- how to use quotation marks and properly punctuate dialogue
- to work with apostrophes regarding contractions and possessive nouns

### On SchoolhouseTeachers.com

[Schoolhouse Grammar: Third Grade](#) (iST): a year's worth of bite-sized lessons

Students can even have fun *reading* about grammar! Check out the [Book Lists for Families](#) unit about Spelling and Grammar.

[Language Arts for Elementary: Key Skills](#): thirty-six week course for 2nd–4th grade that teaches basic grammar and writing, along with other essential skills.

# Listening and Speaking Skills

## 3rd Grade

- Continue to build fluency and confidence in delivering information orally to individuals
- Learn to make an introduction
- Practice delivering short dramatizations
- Memorize and recite age-appropriate poems

On [SchoolhouseTeachers.com](https://www.schoolhouseteachers.com)

[Reader's Theater](#) and [Simply Shakespeare](#) in the Drama and Speech category give students excellent opportunities to practice their speaking skills.

# Research Skills

## 3rd–12th Grade

- Become comfortable using a thesaurus and encyclopedia
- Become comfortable using a dictionary, understanding the usefulness of multiple definitions, sample sentences, etymology, and the pronunciation key
- Be familiar with how to use the library, including the Dewey Decimal system and the electronic catalog
- Be able to use a Bible concordance and cross references
- Be able to use a newspaper to gather or find information
- Understand how to use a timeline
- Differentiate between primary and secondary sources

## On SchoolhouseTeachers.com

[Research Skills for Middle School](#): 6-week unit designed to help students in 6th–8th grade brush up on research skills including using a dictionary, library skills, writing a bibliography, checking the accuracy of online information, and writing a proper citation

[How to Do Research](#): 6-week unit for 4th–12th grade

How to Write a Research Paper: stand-alone unit for 3rd–5th grade in [Unit Studies: Language Arts](#)

[Navigating the World of Research](#): 9-week introduction to research tools and procedures for 3rd–6th grade

World Book Online includes [multiple research tools](#) for students including dictionaries, a How to Do Research center, and a citation builder.

# Foreign Language

Many families introduce foreign language instruction during the elementary years, often through songs, vocabulary games, and cultural exposure. This early introduction builds interest and familiarity. More formal instruction typically begins in middle school, where students begin developing foundational communication skills and an understanding of language structure.

High school graduation requirements for foreign language vary by state. A common benchmark for graduation or college admission is the completion of at least one year of a foreign language. Some states also recognize American Sign Language (ASL) as fulfilling this requirement.

SchoolhouseTeachers.com offers a number of foreign language options, include Spanish and Korean. To ensure visibility and clarity, our English as a Second Language (ESL) courses are also grouped under Foreign Language rather than Language Arts. This helps families locate appropriate instruction based on student needs, whether they are learning a new language or acquiring English as an additional language.

## ESL Courses on SchoolhouseTeachers.com:

- [ESL for Beginners](#): 5 full levels of instruction, each with 12 interactive audio lessons suitable for K-5th grade
- [ESL Language Arts](#): 18 weeks of text-based lessons for the whole family
- [ESL Vocabulary](#): 8 weeks of text-based lessons for the whole family
- Find courses with Spanish components in our [Educación en Casa en Español](#) Center.

# Foreign Language

## 1st-8th Grade

Foreign Language instruction in elementary and middle school is optional and should focus on:

- Introductions
- Basic vocabulary (colors, numbers, etc.)
- Cultural awareness
- Communication skills

### On SchoolhouseTeachers.com

[Elementary Spanish](#): 34 video-based lessons for 1st-6th grades

[Latvian](#): 32 video-based lessons for 1st-12th grades

[French for All Ages](#): 8 levels of text- and audio-based instruction, each covering approximately 1 school year, for 1st-12th grades

[Beginning Latin](#): 24 video-based lessons for 3rd-12th grades

[Latin II](#): 26 video-based lessons for 8th-12th grades

Find more Foreign Language resources in our [ESL & Foreign Language Center](#).

# Health

Every curriculum approaches health a little differently. Some incorporate it with science from the very beginning. Some incorporate it with science and anatomy in higher grades. You may enjoy the [Book Lists for Families](#) selections for Healthy Reads! Famous Doctors, Nurses, and Researchers. Below, you will find an outline of some suggested health topics to incorporate each year.

You'll find in-depth information about how to determine your child's fitness goals and guide them on their way to developing and maintaining a healthy lifestyle in our [Physical Education Center](#), where we have material for all ages. We'll also help you set goals such as:

- Engaging in physical activity with competence and confidence
- Experiencing physical activity in a variety of environments
- Understanding the importance and benefits (physical, emotional, social) of a lifestyle that includes physical activity
- Incorporating regular physical activity into your family's lifestyle
- Achieving and maintaining physical fitness

# Health

## 3rd Grade

Learn about staying safe around fire and water, as well as around common hazards. Learn how to stay safe when you are on the street. Start learning about basic first aid and what to do if someone is bleeding, choking, or has been exposed to poison. Practice good hospitality. Learn about the benefits of exercise and how to measure your heart rate.

### On SchoolhouseTeachers.com

[Growing Healthy in Third Grade](#): 9 weekly lessons

The unit Play It Safe in [Unit Studies: Health and Safety](#) addresses basic rules of how to stay safe around fire, water, while riding a bike, while riding in a car, when home alone, etc.

Additionally, SchoolhouseTeachers.com offers [Nourishing Nuggets](#), [Healthy Eating for Families](#), and [Family Fitness](#) classes that are designed to be done as a family with adaptations for children of any age.

# History

The approaches to teaching history are varied, but for the purposes of this scope and sequence, we offer an outline of two main tracks: **traditional** (following a generally chronological approach to US history and a regional approach to world history) and **classical** (a series of cycles that follows a chronological approach, with each cycle through the topics going into more depth). Remember that you can never teach every moment of history! Help your children understand the framework of history so they can continue to build on that knowledge for the rest of their lives.

## Traditional Track

### Kindergarten

Early American History (pre-Columbian period to the Revolutionary War)

### 3rd Grade

New World Explorers; Native Peoples; 13 US Colonies; Industrial Revolution; Europe (Renaissance to the early 19th century)

### 6th Grade

American History (Post-Civil War through World War 1 and Women's Suffrage, 1860s-1919); Ancient History (AD 400 to Pre-Renaissance)

### 9th Grade

Some curriculums divide world history into two high school years, 9th and 10th grade. Some leave one year open for state history study or specialized study and review world history in 10th grade

### 12th Grade

American Government and Economics

### 1st Grade

Early American History (pre-Columbian period to the US Constitution)

### 4th Grade

American History (Great Awakening to the Age of Jackson, 1720-1845); Early and Medieval Africa; Colonization and Movements Toward Independence in Central and South America

### 7th Grade

American History (Roaring Twenties through Post-World War II); World History (Renaissance to Early 20th Century)

### 10th Grade

World History (ancient to modern)

### 2nd Grade

American History (Constitutional Convention to late 19th century)

### 5th Grade

American History (Pre-Civil War through Reconstruction, 1820-1877); Ancient History through the Fall of Rome

### 8th Grade

Modern American History (Post-World War II to present); Modern World History (1900 to present)

### 11th Grade

American History (from discovery to post-WWII)

# History

## 3rd Grade (Traditional) American and World History

### Exploration:

- Learn about explorers, including Leif Eriksson, Prince Henry, John Cabot, Christopher Columbus, Vasco da Gama, Ponce de Leon, Pedro Cabral, Vasco de Balboa, Ferdinand Magellan, Hernando de Soto, Francisco de Coronado, Henry Hudson, and Samuel de Champlain; identify their native country and their route of exploration
- Discuss exploration in Australia and the South Pacific

### Native Peoples, the 13 US Colonies, and the Industrial Revolution:

- Explore various Native American tribes
- Learn about the 13 colonies, specifically their origin, crops, religion, and government
- Study the Industrial Revolution, including inventions, transportation, factories
- Identify inventions by Eli Whitney and James Watt

### Europe (Renaissance to the early 19th century):

- Study the Renaissance in Italy, including the rise of Italian city-states, famous artists, inventions, and everyday life
- Study the Reformation, focusing on Gutenberg, Martin Luther, Copernicus, Galileo, and conflicts between science and the church
- Early exploration and colonization of England to include the Church, rise in sea power, and everyday life
- Recognize key historical figures in leadership roles of the time period, including Catherine the Great, Louis XIV to Louis XVI, Marie Antoinette, and Napoleon Bonaparte
- Study missionaries of the time period

# History

## 3rd Grade (Classical)

Age of Exploration to Early 1700s (AD 1492–1755)

### Americas:

- Learn about life in the Incan Empire
- Learn about explorers including John Cabot, Vasco da Gama, Pedro Cabral, Christopher Columbus, Hernan Cortes, Francisco Pizarro, Ferdinand Magellan, Vasco de Balboa, Ponce de Leon, Jacques Cartier, Hernando de Soto, Francisco de Coronado, Samuel de Champlain, and Henry Hudson; identify their native country and their route of exploration
- Trace the development of early Spanish and English settlements
- Understand the contributions of historical figures such as John Smith, Pocahontas, Squanto, Roger Williams, William Penn, and James Oglethorpe
- Learn about the 13 colonies, specifically their origin, crops, religion, and government
- Understand the significance and effects of the Great Awakening including George Whitefield, Jonathan Edwards, and Francis Asbury

### Europe, Asia, and Africa:

- Understand the contributions of the Kingdom of the Songhai in Africa
- Learn about the significance of the Mughal Dynasty of India
- Study the contributions of Copernicus, Brahe, Galileo, Kepler, Hobbes, Descartes, Locke, and Newton
- Study the Reformation to include Gutenberg, Zwingli, Luther, Calvin, Tyndale, and Knox
- Understand the historical significance of events and people of Russian history including Ivan IV, the House of Romanov, and Peter the Great
- Trace the early exploration and colonization by England to include the role of the Church, Sir Walter Raleigh, the English defeat of the Spanish Armada, rise in sea power
- Explain the historical significance and impact of Henry III, the Puritans, and Elizabeth I
- Learn about life in Tokugawa Japan
- Understand the contributions of the Qing Dynasty in China

# History

## 3rd Grade

On [SchoolhouseTeachers.com](http://SchoolhouseTeachers.com)

Traditional:

[Great Leaders in History](#): 18-week study

[Stories of Great Americans for Little Americans](#): 30 weeks covering the 1650s to the late 1800s with a focus on life in the early colonies

[Bold Explorers](#): 7-week study introducing several famous explorers and many lesser-known adventurers

World Book Online includes a [webquest](#) about Christopher Columbus.

Classical:

[World History: Exploration and Colonization](#): 36-week study

[Lighting the Way](#): this series of videos about heroes of the faith includes heroes from the days of the Early Church through modern times

[Bold Explorers](#): 7-week study introducing several famous explorers and many lesser-known adventurers

World Book Online includes a [webquest](#) about Christopher Columbus.

## Additional History Resources

[American History in Picture Books](#): this series of activities and discussion questions based on picture books is a great introduction to history for students in 1st–5th grade

[Drive Thru History: Bible Backroads](#): video-based course for 6th–12th grade on the New Testament books

[Drive Thru History: Bible Unearthed – Biblical Archaeology](#): video-based course for 4th–12th grade

[Church History](#): 12 weeks for 9th–12th grade

[Fashions in History](#): 11 weekly lessons plus numerous optional extension activities for 3rd–12th grade

[Hands-On Notebooking Across the United States](#): state-by-state notebooking for Kindergarten–2nd grade

[History of Air Travel](#): 5 eBooks unit study designed for 5th–6th grade

[History of Christianity](#): video-based course for 9th–12th grade exploring the impact of Christianity on various points of history

[Lapbooking Through the Ages](#): 13 lapbooks for 1st–5th grade on a variety of history topics

[Life of Abraham Lincoln](#): 12-week study for 2nd–9th grade

[Native American History: An Introduction](#): 18 weeks designed for 7th–9th grade

[This Day in History](#): (all ages) collection of resources to bring history to life every day of the year

[Writing On This Day In History](#): collection of history-themed writing prompts for every day of the year; designed for 7th–10th grade

[Women Through History](#): 29 weeks for 8th–12th grade

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## Additional History Resources (cont.)

### [Unit Studies: History](#)

- All About Inventions: for 2nd–5th grade – take a fun look at some modern inventions like bubble gum
- A Timeline of Hieroglyphics to Hypertext: A Timeline of the Written Word for 4th–6th grade
- A Timeline of Smoke Signals to Smartphones: ... Long-Distance Communication for 4th–6th grade
- A Timeline of Stargazing to Space Travel: A Timeline of Space Exploration for 4th–6th grade
- Learning Ladders: Inventions for 1st–2nd grade
- Presidents of the Past for 2nd–5th grade
- The Submarine: A Legend Before Its Time for 3rd–7th grade

### [Unit Studies: Geography](#)

- Land of Liberty: Liberia for 4th–6th grade

### [Unit Studies: Social Studies](#)

- Learning Ladders: Famous Buildings for 1st–2nd grade

You may also enjoy [Book Lists for Families](#) for Black History Month, Courage, Hero Hurrah! and World War II.

World Book Student has a [biography center](#) where you can search more than 10,000 famous people or generate lists of people based on job or achievement, country or cultural heritage, and time period. For example, students could find female explorers or male English scientists of the 1800s.

[World Book Timelines](#) includes hundreds of timelines, thousands of events, and the ability to build or customize your own timeline. Some of the premade timelines include timelines of US, African, Asian, Australian, Canadian, European, Latin American, Middle East, and New Zealand history; US military history; the history of explorers; world history; history of science and inventions; and the history of literature.

World Book Advanced includes a [Teaching with Documents](#) series of lessons on military history from Charlemagne to Vietnam.

# Geography

Some curricula treat geography as a subject separate from history in Kindergarten–8th grade, while others incorporate it into historical studies. For example, any time the nation of China is studied is a perfect time to explore the physical characteristics and boundaries of the nation. This makes geography interesting and relevant for the students. However, there is some basic geography that can be studied independently from historical studies. Here are some of the goals included in various curricula.

You may also enjoy [Book Lists for Families](#) selections on Africa, Florida, and Travel.

# Geography

## 3rd Grade

- Learn how to use grid maps (e.g. A4-D5)
- Learn about latitude and longitude
- Learn about various climates and where they are found
- Learn the meaning of the Prime Meridian, the Tropic of Cancer, and the Tropic of Capricorn
- Learn various landforms including peninsula, strait, gulf, bay, isthmus, plateau, mouth, delta, tributary, and drainage basin
- Continue to review information already learned (continents, oceans, equator, hemispheres, etc.)
- Learn the major rivers of each continent

### On SchoolhouseTeachers.com

[All About Maps](#): Unit 3: self-paced unit

All About the World: Grade 3: self-paced unit in [Unit Studies: Geography](#)

Geography Vocabulary for 4th–9th grade in [Unit Studies: Geography](#) covers basic landform vocabulary.

Additionally, SchoolhouseTeachers.com has a number of supplemental geography resources for your family to enjoy. You will find these on the page titled Additional Geography Resources that is included with this scope and sequence. There are printable maps, outline maps and flags, an atlas, interactive maps, and more in the maps section featured in several of the [World Book resources](#) and fun geography games in [World Book Kids](#). Several World Book resources include a feature called [Compare Places](#) which allows students to compare and contrast various states, provinces, dependencies, countries, and continents.

# Additional Geography Resources

[Everyday Explorers-Australia/New Zealand](#): 7 monthly units for K–12th grade

[Everyday Explorers-Canada](#): 11 monthly units for K–12th grade

[Everyday Explorers-USA](#): 22 monthly units for K–12th grade

[Exploring Elementary World Geography](#): 7 units for 1st–4th grade

[Ayo's Awesome Adventures Around the World for Kids](#): 10 eBooks for 2nd–4th grade

[Asia: Trade Route Safari](#) (also included with Additional History Resources: 38 weeks for 2nd–5th grade

[Wonders of the World](#) (iST): 5 weeks for 3rd–5th grade

[Let's Visit Denmark](#): 9-week study for 3rd–6th grade

[Lapbooking](#): 4-week unit on London and Buckingham Palace for 3rd–7th grade

Geograquizzes: Geography Quizzes and Activities for 6th–9th grade\* in [Unit Studies: Geography](#)

[Kinetic Connections](#): offers tips to help parents teach geography to hands-on learners

[Geography of the Bible](#): video series for high school

There are further resources in [Unit Studies: Geography](#) including Cruisin' the Country, Geography Study with George Frederic Handel, Geography Study with Missionary William Carey, Military Geography, Physical Geography of Africa, and Travel the World.

\*One way to use the geography quizzes as part of your curriculum is to use the answer key as the lesson to spark independent research. For example, using the World Commodities Quiz, students can learn that Venezuela exports iron ore, Russia exports natural gas, etc. They can use that as a springboard to learn more about these specific countries and exports, write a paragraph or more on each, and then take the quiz at the end.

## Social Studies

Some curricula treat social studies as a subject separate from history, while others incorporate it into historical studies. The ways in which social studies can be combined with history are virtually endless. When you study a period in history, look at as many aspects of daily life as you can. What jobs did people have? What were their families like? What kinds of homes did they live in?

Three key areas emphasized in social studies are cultural awareness, responsible citizenship, and foundational economics.

Here are some specific goals included in various curricula that do not always fall into a course of historical studies.

# Social Studies

## 2nd–4th Grade

- Changes in transportation, communication, and technology, and how that affects our daily lives
- Flag etiquette
- Learn about famous artists, authors, musicians, and others in the arts and culture

### On SchoolhouseTeachers.com

[Foods and Food Production](#): 26 lessons for 1st–3rd grade

Changes in Transportation, Communication, and Technology: a stand-alone unit in [Unit Studies: History](#)

Flag Etiquette: a stand-alone unit in [Unit Studies: Social Studies](#)

Famous artists, authors, musicians, and others in the arts and culture are woven throughout the history, art, and music lessons found on the site.

Additionally, you may enjoy the Growing Up Dutch and Renaissance Festival units in [Ditch the Desk](#) and [Book Lists for Families](#) selections for Authors, Art, Patriotism, and Courage.

# Citizenship

## 2nd Grade

Discuss what it means for someone to abuse his or her power. Talk about what a good leader looks like and what we can do to be good citizens. Discuss voting and elections. Talk about why we pay taxes.

On [SchoolhouseTeachers.com](https://www.schoolhouseteachers.com)

[Growing in Citizenship in Second Grade](#): 9 weekly lessons

You may also enjoy [Book Lists for Families](#) for Civics, Parts One and Two.

## 3rd Grade

Discuss the US Constitution, the Bill of Rights, and what they mean. Talk about the rights and freedoms they guarantee. Memorize the Preamble of the Constitution. Talk about what a democracy is and what *democracy* means. Discuss what the difference is between God-given human rights and the rights a government gives or recognizes.

On [SchoolhouseTeachers.com](https://www.schoolhouseteachers.com)

[Rights of Citizens for Third Graders](#): 9 weekly lessons

You may also enjoy [Book Lists for Families](#) for Civics, Parts One and Two.

# Economics

## 2nd Grade

Talk about how nations buy and trade for the things that they need. Discuss why people work and the value of work. Talk about what it means to produce and what it means to consume. Learn about the types of goods and services local businesses produce or offer.

On [SchoolhouseTeachers.com](https://www.schoolhouseTeachers.com)

[Elementary Economics for Second Grade](#): 9 weeks

## 3rd Grade

Discuss supply and demand. Learn more about importing and exporting, building on what you've already discussed regarding how nations buy and trade for resources. Talk about what a surplus is.

On [SchoolhouseTeachers.com](https://www.schoolhouseTeachers.com)

[Elementary Economics for Third Grade](#): 9 weeks

# Math

Mathematics is a subject built layer by layer, with each concept forming a brick in a student's foundation of understanding. When even one of these foundational concepts is weak or missing, it can impact the learner's ability to progress confidently to the next level. That's why a sequential approach to math instruction is critical. SchoolhouseTeachers.com offers full-year, grade-level math courses that are designed to follow a logical progression, ensuring that students develop skills in the right order for long-term success.

The Scope and Sequence for Math is a valuable companion to these full courses. It provides a clear, organized list of key math concepts by grade level, helping parents identify what students should typically be learning at each stage. These overviews can serve both as a planning tool and as an informal checklist: to see whether your child is on track, to determine readiness for the next grade level, or to identify concepts that may need reteaching or reinforcement.

Because students don't always learn in a straight line, gaps can develop over time—especially if they've changed curricula, had an uneven learning experience, or struggled with certain topics. The scope and sequence helps bring clarity to these situations. When a student is struggling, parents can refer to the list of grade-level skills to pinpoint exactly where understanding broke down. Then, instead of having to repeat an entire year's course, parents can use ST's short, single-skill math resources to target specific areas for remediation. This flexible, skill-by-skill support complements our sequential courses and empowers parents to tailor instruction to their child's unique needs. (For more information about skills-oriented courses, see our [Focused Learning Center for Math](#).)

In short, the Scope and Sequence for Math is more than just an outline—it's a strategic tool. Whether you're choosing the right course, building a custom learning plan, or evaluating progress, this guide helps you see the big picture while also zeroing in on the details. When in doubt, use it as a roadmap: it can show you where your student has been, where they're going, and whether any detours are needed along the way.

## Math

## 3rd Grade

Story problems with up to four steps  
 Addition: five-digit addends; vertical forms  
 Subtraction with up to four-digit regrouping  
 Subtraction: five-digit minuend and subtrahend  
 Subtraction: continued review  
 Multiplication: zero property  
 Multiplication and division tables 0-12  
 Multiplication with regrouping  
 Multiplication: 2 to 3 digits by 1 digit  
 Division: 1 digit remainders  
 Division: 2 and 3 digits by 1 digit  
 Solving measurement equations  
 Averaging numbers  
 Recognize and write numbers 0-1,000,000  
 Length: half inch, foot, yard, mile  
 Capacity: cup, pint, quart, gallon  
 Weight: ounce, pound  
 Length: centimeter, meter, kilometer  
 Capacity: milliliter, liter  
 Mass: gram, kilogram  
 Converting measures  
 Understand and calculate area and perimeter  
 Count by 6s, 7s, 8s, 9s, 1,000s, and 10,000s  
 Money: dollar sign, addition and subtraction of  
 Solving money problems using the decimal point

## Fractions

Terminology and basics  
 Compare  
 Mixed numbers  
 Equivalent fractions

## Decimals

Read and write tenths and hundredths  
 Mixed numbers  
 Compare  
 Add and subtract

## Equations

Missing addend  
 Missing factors  
 Negative numbers (temperature)  
 Finding the unknown number

Future and elapsed time  
 Schedules and future dates  
 Ordinals first through ninety-ninth  
 Noon and midnight  
 Categorize shapes by their attributes  
 Commutative and associative properties  
 Multistep problems  
 Solving problems containing parentheses

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# Math

## 3rd Grade (cont.)

Graphs and Tables (bar graph, pictograph, line plot, line graph, coordinate graph, tables and charts, tallies)

Plane Figures (circle, polygons, square, triangle, rectangle, pentagon, hexagon, octagon)

Solid Figures (sphere, cube, cylinder, cone, rectangular prism)

Logic and Probability (recognizing problems with too little information; use terminology of *possible*, *impossible*, and *probable*)

## On SchoolhouseTeachers.com

[Stretching Higher with Third Grade Math](#): 40-week course covering the topics listed above

Additionally, SchoolhouseTeachers.com has [How to Teach Elementary Math](#), [Kinetic Connections](#), [Math Mastery Mysteries](#), and [Hands-On Math Help with Cuisenaire Rods](#) to help parents teach elementary math skills. There are hundreds of fun printable games to help reinforce elementary math concepts in [Everyday Games](#) and a number of additional supplemental math resources for your family to enjoy. You will find these on the page titled Additional Math Resources that is included with this Scope and Sequence.

# Additional Math Resources

[Book Lists for Families](#): book lists for Math at various reading levels

[Covering All the Bases: Geometrical Area and Volume](#) (iST): 7-week video course for 4th–8th grade

[Let's Do Math Outside](#): 24 worksheets and activities for 1st–4th grade

[Siyavula International Homeschool Math Curriculum for Grades R–12](#): complete grade-level curricula using comma decimal separators from preschool through high school.

[Focused Learning Center-Math](#): round up of all math resources on the site plus extra teaching helps

Math-focused units in [Ditch the Desk](#):

- Weeks 3-4 of Spring unit for 2nd–5th grade
- Week 2 of Test Taking unit for 2nd–5th grade
- Baking with Math single unit for 3rd–5th grade

Skill building:

- [Decimal Workshop](#): 10 lessons for 3rd–5th grade
- [Multiplication and Division Practice Unit](#): 24 lessons for 3rd–5th grade
- [Whole Numbers Place Value](#): 11 lessons for 3rd–5th grade
- [Fraction Workshop](#): 12 lessons for 3rd–6th grade
- [Understanding Fractions Workshop](#): 11 lessons and games for 3rd–5th grade
- [Daily Math](#): more than 200 supplemental worksheets for 3rd–8th grade reviewing a wide range of skills
- [Everyday Games](#): 100s of supplemental math worksheets for 1st–4th grade

# Additional Math Resources (cont.)

The following can be found in [Unit Studies: Math](#):

Teach Kids Algebra: help introducing algebra concepts to younger elementary students

Middle School Math Help:

- Fractions, 4-week unit for 3rd–6th grade
- Equations, 4-week unit for 4th–6th grade
- Probability and Statistics, 3-week unit for 4th–6th grade

High School Math Help:

- Finding Areas Using Reasoning, single unit for 10th–12th grade
- Pythagorean Theorem, 5-lesson unit for 10th–12th grade
- Finding Areas Without Formulas, 5-lesson unit for 10th–12th grade
- Lesson on Pi, 2-lesson unit for 10th–12th grade

Adding and Subtracting with Regrouping: for 2nd–5th grade

Blaise Pascal: Mathematician Extraordinaire: a biography for 3rd–7th grade:

Converting Units in the Metric System: for 6th–8th grade: teaches how to convert using a table and by cross canceling

Fun with Shapes: Geometry for 4th–5th grade

How to Cross Cancel Fractions: for 4th–8th grade: teaches a skill important to converting units and learning algebra.

Scientific Notation Explained: for 6th–8th grade: important for both science and math

Silly School Songs: review and memorization for 1st–5th grade

# Science

## 3rd Grade

### Life Science

- Animals
  - Key vocabulary: endangered, vertebrates, cold blooded, warm blooded, invertebrates, inherited traits, survival skills
  - Classify and characterize: fish, amphibians, reptiles, birds, mammals
  - Explore helping animals, sea animals, desert animals
- Plants
  - Key vocabulary: inherited traits, photosynthesis
  - Explore plants of the desert, forest and sea
- Anatomy
  - Key vocabulary of the Digestive System: salivary glands, esophagus, stomach, liver, small and large intestine
  - Key vocabulary of the Excretory System: kidneys, bladder, urethra, anus

### Earth Science

- Rocks and Minerals
  - Characterize the differences between rocks and minerals
  - Classify rocks into sedimentary, igneous, and metamorphic
- Weather and Climate
  - Weather patterns and predictions
  - Characteristics of various climates

### Physical Science

- Heat
  - Key vocabulary: energy, convection, conduction, radiation
  - Sources of Heat: geothermal, nuclear, solar
- Light
  - Key vocabulary: colors, mirrors, lenses, convex, concave, plane, prism, spectrum, reflection, refraction
  - Identify how light travels
- Sound
  - Key vocabulary: pitch, vibration, volume
  - Identify how sound travels

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# Science

## 3rd Grade (cont.)

### Physical Science

- Gravity and Its Effects
- Electricity and Magnets
- Physical Properties of Matter
  - Key vocabulary: size, shape, weight, volume, flexibility, luster, color, texture, hardness, odor, etc.
- Force and Its Effects
- Energy Forms and Sources
  - Key vocabulary: heat, sound, chemical, mechanical, electrical

## On SchoolhouseTeachers.com

[Exploring God's World with Third Grade Science](#) (iST): 36-weekly lessons covering many of the topics listed

### Life Science

[Lapbooking](#): 4-week studies of the rhinoceros, the giant panda, and the Florida manatee

[Ditch the Desk: Backyard Critters](#): single unit on bugs, slugs, and birds

[Wildlife Adventures](#): 15 one-week studies on birds, sea creatures, alligators, frogs, and butterflies

[Curious Science](#): 10 stand-alone studies on strange creatures found in nature, including the blue-footed booby, the platypus, the pufferfish, and velvet ants

[A World of Animals](#): 43 self-paced units

Creation Club Science: one-month study on hummingbirds in [Unit Studies: Science](#)

The Real Hummers: single unit about hummingbirds and their design in [Unit Studies: Science](#)

Introduction to Human Body Systems: single unit in [Unit Studies: Science](#)

Animals in Disguise: eBook in [Unit Studies: Science](#)

World Book Kids also has a special feature called [World of Animals](#) that allows students to compare two animals, as well as read short summaries about an animal (such as you'd find at a zoo exhibit) or read a kids' encyclopedia article about the animal.

[World Book Kids](#) includes a lesson plan and game about vertebrate and invertebrate animals under Treasure Hunt. It also includes webquests about animals including cats, reptiles, and whales.

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# Science

## 3rd Grade

### On SchoolhouseTeachers.com (cont.)

#### Earth Science

[Wondrous Weather](#): four weekly lessons

[Ditch the Desk](#): four-week unit on Weird Weather and Natural Disasters

[Curious Science](#): 8 stand-alone studies of exceptional features found in nature, including blue diamonds and quicksand [Fun with Gravity and Climate](#): includes 7 weekly lessons on climate

#### Physical Science

Understanding Light: single unit with experiment in [Unit Studies: Science](#)

[Introduction to Physical Science](#): 10 units covering electricity, force and motion, heat, light, magnetism, matter, and sound

[Fun with Gravity and Climate](#): includes 6 weekly lessons on gravity

Rocks and minerals will be studied in depth in geology in 7th–12th grade, though you may wish to introduce the topic now.

# Additional Science Resources

[Ditch the Desk](#): Test Taking: Bonus Lesson (Week 4) and Making a Lava Lamp Video for elementary

[Everyday Astronomy](#): 36 weeks for Kindergarten–12th grade with age-appropriate work designed to be done as a family

[Lapbooking Through Science](#): 6 mini lapbooks for 1st–3rd grade

[Let's Do Science Outside](#): 20 worksheets for 1st–4th grade

Light Studies: 2 units in [Unit Studies: Science](#) for 1st–5th grade

[Chemistry Help](#): 36 weekly lessons

[Science Experiments with Jason Lindsey](#): 20+ video-based science experiments with household items for 1st–5th grade

[Science Experiments with World Book](#): easy hands-on experiments for 1st–5th grade

Diet Pop and Mentos: downloadable experiment guide in [Unit Studies: Science](#)

[Nature/Outdoors](#): 4-week studies of sand, animal tracks, the night sky, rainbows, winter, and creeks

The Story of Energy: eBook in [Unit Studies: Science](#) that explores the discovery of electricity and natural gas, the long road to distributing those resources, the deregulation of the phone system in the past, and what the deregulation of energy may mean for the future

[Kinetic Connections – Science](#): parent helps for teaching science

[Focused Learning Center – Science](#): round up of all science resources on the site

[Book Lists for Families](#): see lists of books on physical science fun, fun with life science, nature exploration, and science

# Additional Resources for Elementary

## Ditch the Desk

Enjoy this [Ditch the Desk](#) unit all about spring!

## Lapbooks

Enjoy this [lapbooking unit](#) as you study Philemon.

## Kinetic Connections

Enjoy this series of [teaching ideas for holidays, seasons, and special occasions](#).

## Unit Studies and More

Don't miss the unit studies on Following the Iditarod, From Tree to Table: A Maple Syrup Story, and The Appalachian Trail in our [Unit Studies: Various section](#). You can also find , Brain Teasers, Brain Ticklers, On the Move, Tough Trucks, Cranberry Christmas, The History of Hanukkah: Why Christmas is on the 25th, and A Bouquet of Valentine's Day Fun in our [Unit Studies and More section](#).

## Daily Puzzlers

[Daily Puzzlers](#) are language-based logic puzzles that vary in difficulty and include puzzles for 2<sup>nd</sup> through 12<sup>th</sup> grade