

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

4th–5th Grade Art

- Continue to explore and learn about the elements of art and learn to recognize them in many famous pieces of art.
- Continue to experiment with as many different types of artistic media as you have the opportunity to try.
- Learn to group paintings or artwork by style, subject, or artist.
- Begin learning about basic styles of architecture and learn to define architectural terms such as column, dome, and arch.
- Learn about careers in the arts.

On SchoolhouseTeachers.com

[Everyday Easels](#): over 75 one- and two-week unit studies for Kindergarten–12th grade; this is an ideal time to use the 16-week Everyday Easels Passports unit to explore world architecture

[Discovering Art History](#) (iST): 9 weekly lessons for either 4th or 5th grade

[Achieving Art Success with ArtAchieve](#): Level II, 8 units each year for 4th–5th grade

[Exploring the World of Art](#): 12 units for 3rd–12th grade; students in 4th–7th grade may also enjoy the four-week [Lapbooking](#) unit Knights of Art: Stories of Italian Painters and the two-week

[Ditch the Desk](#) unit Evelyn Cameron: Frontier Photographer

In our Electives category, we also have [Heritage Crafts](#) (all ages), [Photography](#) (2nd–12th grade), and [Hands-On Architecture](#) (3rd–7th grade). You may also enjoy our unit on the Italian Renaissance in the [Unit Studies and More section](#).

World Book Online resources have art-themed activities and studies including [webquests](#). The [Biography Center](#) features studies on famous filmmakers, dancers, choreographers, graphic artists and illustrators, painters, photographers, sculptors, and more.

Art and Music

4th–5th Grade Music

- Identify the instruments of the orchestra by look and sound. Know which orchestral family each belongs to.
- Reinforce and expand on musical elements learned previously. Also be sure to include tied and dotted notes, sharps, and flats. Also become familiar with terms, including *ritardando*, *crescendo*, *decrescendo*, *legato*, and *staccato*. Introduce 6/8 meter.
- Continue to listen to music by various composers and learn to match key pieces with their composers.
- Expand knowledge of musical instruments and families to include folk, ethnic, historical, and electronic instruments.

On SchoolhouseTeachers.com

[If It Isn't Baroque . . . The History of Western Music](#): 12-week study for either 4th or 5th grade

Please note that the majority of the musical elements mentioned above are covered in Music Theory I and II and Music Mania listed in this scope and sequence for 1st–3rd grade.

The [Biography Center](#) in World Book Online offers a way for students to explore the lives of numerous musicians and composers.

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

4th Grade: Reading Comprehension

- Continue to practice taking notes on selected reading.
- Learn to create an outline based on selected reading.
- Learn about syllables—how words are divided into syllables, accent marks and shifts in accents, unstressed syllables, and syllable patterns.
- 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, imagery, personification, metaphor, simile, humor, sarcasm, and suspense in a story or poem.
- Recognize how a character changes throughout a story and what brings about this change.
- Identify the mood of a story.
- Learn about the use of hyperbole and exaggeration.
- Introduce the haiku and sonnet as poetic forms.
- Recognize dialect in a story.
- Sharpen ability to distinguish fact from fiction.
- Gather information from more than one source and be able to compare and contrast that information.
- Learn to identify the influence the author's background or motivation may have on the presentation of information.
- Recognize key elements of various genres.
- Read and identify characteristics of a tall tale, legend, and folk tale.

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Reading

4th 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.

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.

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

4th Grade

In addition to the graphic organizers already introduced, expand your student's tools for brainstorming by teaching him or her to create character webs, event/details charts, T-charts, and outlines.

Students should learn to format and write a bibliography, persuasive pieces such as business letters and essays, and compare/contrast essays.

Students should write book reviews, create similes and metaphors, write haikus and acrostic poems, and learn to conduct and write an interview.

Students should continue to develop their skills for writing strong paragraphs and write multi-paragraph compositions that include introductory, supporting, and concluding paragraphs, each with proper indentation and topic sentences.

Fourth grade offers a good chance to learn keyboarding/typing skills if they have not been learned previously.

Students should continue to explore a wide variety of writing assignments including stories, personal narratives, poems, essays, research reports, journals, family newsletters, book reports, magazine articles, and small books.

Students should include an appropriate amount of dialogue and description in their writing.

Writing and Composition

4th Grade

On SchoolhouseTeachers.com

[Sparking the Noggin: Creative Writing with Pictures](#) is a fun encouragement for writers in 4th–7th grade, Here to Help Writing Flights 1–2, Essay Level, take students beyond writing simple paragraphs to hone their essay-writing skills. These two courses may be taken in any order, and are suitable through 7th grade:

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

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

[Elementary Writing with Structure](#): 36 weeks

[Expanding Your Writing Skills](#): 9-week study of various writing skills and techniques

[Creative Storytelling](#): 15-week introduction to various types of writing

How to Write a Research Paper: stand-alone unit in [Unit Studies: Language Arts](#)

[Language Arts for Elementary: Key Skills](#): 36-week course

SchoolhouseTeachers.com also offers a [Keyboarding](#) class for interested students.

Grammar

4th Grade

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

- subject, object, and predicate nouns
- predicate adjectives
- introductory and prepositional phrases
- prepositional phrases used as adverbs
- more complex diagramming
- independent and dependent clauses
- often confused or misused words
- Greek and Latin roots
- to italicize book titles
- how to use parentheses
- how to use conjunctions and interjections

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

[Schoolhouse Grammar: Fourth 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

4th–12th Grade

Once the foundation for good speaking skills is laid, there is no end to where a student may go with it. It is good practice for the student to deliver a portion of his or her work orally, whether it be a book report, a play, or the recitation of poetry using clear diction, making appropriate eye contact, and speaking at an appropriate volume. As students get older, it is important they learn to not only give, but also analyze oral presentations by drawing conclusions, asking questions, and critiquing messages for bias, fallacies, opinion cited as fact, and unsupported generalizations. They should also practice taking coherent notes from an oral presentation.

On SchoolhouseTeachers.com

See the complete list of classes on SchoolhouseTeachers.com designed to help students sharpen their skills and gain confidence in speaking in our [Drama and Speech](#) category.

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

4th Grade

Start learning about how your body works and how to take care of its various systems. Learn about the cardiovascular system and how to take care of your heart and lungs. Understand how these are connected to endurance and having energy. Continue to practice first aid and how to respond in emergencies. Know how to respond to strangers. Learn to identify and deal with dangerous situations.

On SchoolhouseTeachers.com

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

[Lapbooking](#): 4-week study on A Quick Look at the Human Eye

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 I 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

4th Grade (Traditional)

American and World History

American History (Great Awakening to the Age of Jackson, 1720–1845):

- The Great Awakening including George Whitefield, Jonathan Edwards, Francis Asbury
- Identify causes, effects, events, and impact of the French and Indian War
- Identify causes, effects, specific battle sites, and impact of the American Revolution
- Explain the significance of the Stamp Act, Intolerable Acts, Taxation, Boston Tea Party, Boston Massacre, Louisiana Purchase
- The Declaration of Independence, including authors, major points, date
- Famous Revolutionary Figures: George Washington, Thomas Jefferson, Paul Revere, Marquis de Lafayette, Thaddeus Kosciusko, Baron von Steuben, Benedict Arnold, Nathan Hale, John Paul Jones, Betsy Ross, Molly Pitcher, Deborah Sampson, Sybil Ludington, Phillis Wheatley, Lewis and Clark
- Study the establishment of the capital: President; Vice President; Cabinet; Washington, DC
- Compare and contrast political parties from then and now
- War of 1812
- Explore contributions of the first seven presidents

Early and Medieval Africa:

- Study early and medieval Africa
- Learn about the kingdoms of Mali, Ghana, and Songhai
- Recognize the historical significance of Ibn Battutah, Sundiata, and Mansa Musa

Colonization and Movements Toward Independence in Central and South America:

- Explore the contributions of the Maya, Aztec, and Inca on Central and South American colonization
- Explore the Haitian, Mexican, South American Revolutions
- Recognize the historical significance of Simon Bolivar, Jose de San Martin, Bernardo O'Higgins

History

4th Grade (Classical)

Modern History (AD 1756–present)

America and the World Wars:

- Identify causes, effects, events, and impact of the French and Indian War, American Revolution, and the War of 1812, including key documents such as the Declaration of Independence, Constitution, and Bill of Rights; key events surrounding these wars including the Stamp Act, Intolerable Acts, Taxation, Boston Tea Party, and Boston Massacre; and key figures of the period
- Trace Westward Expansion to include the Louisiana Purchase, Trail of Tears, the Oregon Trail, and the California Gold Rush; the impact on various Native American tribes; wagon trains, cowboys, and pioneers; historical figures such as Johnny Appleseed, Daniel Boone, Davy Crockett; and American folk heroes
- Study the Industrial Revolution, including inventions, transportation, and factories
- Study the events leading up to the Civil War, the major battles of and effects of the Civil War, as well as key figures, including Harriet Tubman, Abraham Lincoln, Ulysses Grant, Robert E. Lee, and Andrew Jackson
- Explore reasons for and impacts of immigration and the importance of Ellis Island and the Statue of Liberty
- Understand the contributions of Rosa Parks, Susan B. Anthony, and Martin Luther King, Jr.
- Identify the causes and background of World War I, including major events, US entry, Treaty of Versailles
- Explore major archaeological discoveries such as King Tut's tomb, the Rosetta Stone, and excavations at Ur
- Understand the causes and effects of the Great Depression and the New Deal
- Study the causes, background, and major events of World War II and identify the significance and impact of Mussolini, Hitler, Joseph Stalin, Dietrich Bonhoeffer, Anne Frank, and Corrie ten Boom

World History:

- Discuss exploration in Australia and the South Pacific and colonization
- Learn about Russian history to include Revolutions of 1905 and 1917, Vladimir Lenin, and the Iron Curtain
- Study specific missionaries' lives, struggles, and legacies
- Explore the British Empire and the effects of the decline of colonialism
- Trace the history of modern Israel, including its establishment as a nation and wars in the Middle East
- Identify the historical significance of the Boxer Rebellion, Mao Zedong and the People's Republic of China, Chiang Kai-Shek, and Fidel Castro

4th Grade

On SchoolhouseTeachers.com

Traditional:

[Early American History](#): 16-week study of the time following the French and Indian War through the signing of the Declaration of Independence

[American Revolution](#): 9-week study of the American Revolution with a special focus on key battles of the war

[Lapbooking](#): 4-week unit on Eli Whitney and His Cotton Gin

[Lapbooking](#): 4-week unit on Nathan Hale

[Lapbooking](#): 4-week unit on A Hero of Valley Forge

American Revolution: stand-alone unit in [Unit Studies: History](#)

Making of the Constitution: stand-alone unit in [Unit Studies: History](#)

[History Around the World](#): 36 weekly lessons

World Book Online includes [webquests](#) about the Lewis & Clark Expedition, Benjamin Franklin, and the American Revolution.

Classical:

[Early American History](#): 16-week study of the time following the French and Indian War through the signing of the Declaration of Independence

[American Revolution](#): 9-week study of the American Revolution with a special focus on key battles of the war

[People and Places of WWII](#): 68-week course that explores the causes of the war, key figures, and their nations

[Asia: Its People and History](#): 20-week course covering what life is like for Christians today in several Asian nations along with a brief overview of each nation's history

[Modern History for Elementary](#): 36-week course

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History

4th Grade (cont.)

On SchoolhouseTeachers.com

Classical (cont.):

[Stepping Through History Starting With You](#): 27-week course covering modern times back through the 1870s; *Please note: this class is designed for slightly younger students; however, the lessons cover some incredibly interesting information in a very creative way. The lessons are compact and can easily be used alongside additional history materials*

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

[Lapbooking](#): 4-week unit on Eli Whitney and His Cotton Gin

[Lapbooking](#): 4-week unit on Nathan Hale

[Lapbooking](#): 4-week unit on A Hero of Valley Forge

The following standalone units are also available in [Unit Studies: History](#)

- American Revolution
- Let Freedom Ring
- Making of the Constitution
- Life Lessons from Christian Luminaries: David Livingstone
- Life Lessons from Christian Luminaries: Isobel Kuhn
- Life Lessons from Christian Luminaries: Dr. Paul Brand
- Life Lessons from Christian Luminaries: Betty Green
- Mary Slessor: White Ma of Calabar

World Book Online includes [webquests](#) about the Lewis & Clark Expedition, Abraham Lincoln, Harriet Tubman, Negro Leagues, World War II, Dr. Seuss, Martin Luther King, Jr., and Rosa Louise Parks.

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

(cont.)

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

4th Grade

- Learn about and use map scales
- Study population maps
- Learn about natural resources of various countries
- Review latitude, longitude, and degrees and how to use them to find locations
- Learn about the international date line
- Learn the major mountain ranges and peaks of the world
- Memorize the fifty states of the United States and their capitals

On SchoolhouseTeachers.com

[Learning Across the USA](#): 50 daily lessons designed to cover 10 weeks

[All About Maps](#): Unit 4: self-paced unit

All About the World: Grade 4: self-paced unit in [Unit Studies: Geography](#)

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 map resources featured in several of the [World Book Online](#) resources and fun geography games in [World Book Kids](#). Several of 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

4th Grade

Discuss how our leaders are elected. Talk about how leaders are chosen in other countries. Discuss the Declaration of Independence. Compare the democracy in the United States to the government of other nations. Discuss your state government, what those who serve in it do, and what some of the problems and issues are that your state government is working to address.

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

[Rights of Citizens for Fourth Graders](#): 8-week study

The structure of local, state, and federal government is discussed in the four-week study [Checks and Balances](#). You may also enjoy [Book Lists for Families](#) for Civics, Parts One and Two.

5th Grade

Discuss the differences between communism, socialism, and capitalism. Study the founding documents and their key ideas and compare them to the foundational documents and ideas of other nations including Canada and Mexico.

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

[Learning About World Cultures](#): lessons on Canada and Mexico

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

Economics

4th Grade

Talk about ways a region's geography affects its economy (its access to resources, the resources it produces, etc.). Create a map of each continent to show the major exports of several nations. Review key concepts such as produce/consume, supply/demand, and importing/exporting.

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

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

5th Grade

Talk about the stock market and investments and how they work. Discuss how various types of economic systems have developed. Explore how various economies are interdependent.

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

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

6th Grade

Study the various standards for creating and issuing currency. Explore how exchange rates are determined, why they fluctuate wildly at times, and how that affects people's everyday life.

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

[Elementary Economics for Sixth 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

4th Grade

Expanded form of numbers
Place value of whole numbers and decimals
Equations with negative numbers
Equations with function tables
Graphs and scale drawings
Using an English and metric ruler
Round numbers to any place through thousands
Data: mean, median, mode
Data: range, frequency
Estimating answers
Reading a thermometer

Basic Operations

Addition: through six-digit addends
Subtraction: through six-digits
Multiplication: 1 digit times 2-4 digits
Multiplication: 2-3 digits by 3 digits
Division: 2-4 digits by 1 digit
Division: 2-3 digits by 2 digits
Division: 1-2 digit remainders

English and metric measures: Converting within and understanding differences between
(such as grams are smaller than ounces, 8 cups = 1 gallon)

Geometry

Draw, identify, define points, lines, line segments
Draw, identify, define rays and angles
Draw, recognize, define parallel and nonparallel
Identify various kinds of triangles
Understand circles and degrees
Angles: right, acute, and obtuse
Symmetry, similar, and congruent
Radius and diameter of a circle
Using a protractor

Fractions

Multiply fractions by whole numbers
Addition, subtraction, and multiplication
Factoring and divisibility
Convert improper fractions to mixed numbers
Convert mixed numbers to improper fractions

Math

4th Grade

On SchoolhouseTeachers.com

[Strengthening Skills with Fourth Grade Math](#): 36 weeks

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

grade Fun with Shapes (Geometry): eBook in [Unit Studies: Math](#)

[Understanding Fractions Workshop](#): 11 lessons for 3rd–5th grade

[Fraction Workshop](#): 12 weeks for 3rd–6th grade

Look for the How to Cross-Cancel Fractions skills-based unit in [Unit Studies: Math](#).

Additionally, SchoolhouseTeachers.com has [How to Teach Elementary Math](#), [Kinetic Connections](#), [Hands-On Math Help with Cuisenaire Rods](#), [Math Mastery Mysteries](#), and [Finally Conquer Fractions](#) 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

4th Grade

Life Science

- Anatomy
 - Circulatory System: structure and function of the heart, components of blood, types of blood vessels (arteries, veins, capillaries), how blood clots, blood transfusions
 - Respiratory System: process of respiration, structure and function of the lungs, relationship between smoking and lung cancer
- Plants
 - Key vocabulary: basic plant structure, seeds, germination
- Animals
 - Key vocabulary: insects, spiders, reptiles
- God's Provision for Life on Earth

Earth Science

- Weather and Seasons
 - Key vocabulary: cloud formations, barometric pressure, layers of the atmosphere, air pressure, cold and warm fronts, various weather instruments, forecasting
 - Identify causes of weather, seasons, thunder, lightning
- Geology
 - Key vocabulary: core, mantle, crust, plate tectonics, earthquakes, volcanoes, continental drift, mountain formation, rock cycle, soil formation
- Effects of Pollution
- Ocean and the Hydrosphere

Physical Science

- Astronomy
 - God's design of the Heavens
- Properties of Water

(cont.)

Science

4th Grade (cont.)

Physical Science (cont.)

- Electricity and Magnetism
 - Key vocabulary: current electricity, static electricity, electromagnets, conductors, insulators, series circuit, parallel circuit, electrons, electrical currents, magnetic fields
 - Understand conversion of electrical energy
 - Identify uses of electricity in daily life and safety precautions and hazards
- Chemistry
 - Key vocabulary: atom, physical and chemical properties, mass, density, elements, compounds, solutions, diluted, concentrated, saturated, protons, neutrons, electrons, mass, matter, weight, solvents, solutes, density, evaporation, melting, condensation, freezing
- Law of Conservation of Energy

On SchoolhouseTeachers.com

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

Life Science

[Lapbooking](#): 4-week studies for upper elementary-middle school on tarantulas and the Bengal tiger

[Ditch the Desk](#): two-week studies on backyard critters and space

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

[Bug Science](#): 14-week study of worms and parasites

[Wonderful World of Bugs](#): 4-week study

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

[Discovering Disgusting Creatures](#): 8 units on various types of creatures

Mammals: eBook in [Unit Studies: Science](#)

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

(cont.)

Science

4th Grade

On SchoolhouseTeachers.com (cont.)

Earth Science

[Geology Unit Two](#) (iST): The Geology of Our Natural Parks: 16 weekly lessons

[Curious Science](#): 8 stand-alone studies of exceptional features found in nature, including snow rollers and whirlpools

[World Book Kids](#) includes a fun lesson plan all about lightning under Crack the Code and about water purification under Craft Room in Activities. It also includes science projects about soil and crystal formation. World Book Student includes [webquests](#) about the sun and hurricanes.

[Experiencing Weather](#): 5 stand-alone unit studies that explore various weather phenomena

Physical Science

[Everyday Astronomy](#): 180-day study divided into short lessons that can be combined to cover less time or done in a small dose each day

Creation Club Science: one-month study of the moon; one-month study of the earth in [Unit Studies: Science](#)

Introduction to Mixtures and Solutions: single unit in [Unit Studies: Science](#)

The Shocking Truth About Electricity: single unit in [Unit Studies: Science](#) that introduces conductors and circuits with experiments

[World Book Kids](#) includes a fun lesson plan about using the sun to tell time and about constellations under Craft Room in Activities.

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 2nd through 12th grade