K12 Resource Guide
K¹² is the leader in online learning for grades pre-K through 12. There are two fundamental reasons behind this: we develop our own curriculum, widely regarded as the highest quality available online, and we are devoted to fulfilling the promise of education for every child. In that spirit, we invite you to discover who we are and how we inspire learning.
Our Guiding Principle

K¹² has a singular commitment: to help your child reach his or her potential in order to grow and succeed—in school and in life.

The K¹² curriculum is rooted in decades of research about how children learn, while our Online School (OLS) platform harnesses the power of technology to make lessons and learning come alive. K¹² brings together cognitive scientists, interactive designers, and highly qualified teachers—many with PhDs—to develop a proven education experience. This talented team makes sure lessons engage, inspire, and ignite possibility.

Whether you have a student craving greater challenge, one struggling to keep up, or simply want personalized schooling that can make the most of your child’s potential, our curriculum and learning approach surround students with the resources they need to grow and succeed in school, a career, and life.
The Online School

Students use the Online School (OLS) to access their daily lessons, which include all of the information and resources required for successful completion. They can also:

- Submit their assignments directly online
- Participate in live web classes and interactive discussions
- Connect with their teachers, and reach out for extra help whenever they need it
- Experience many online clubs and virtual field trips
The Online School (OLS)

What Are We Learning Today?

The OLS is also for parents. Built-in planning and progress tools allow parents to easily schedule or view lessons online, log attendance, and monitor student progress. A progress dashboard shows which lessons have and have not been completed.

Students and parents can access our Online School at any time, from wherever there’s an Internet connection.

The system also helps everyone in the family stay connected to all of the exciting and important things happening at school. You can keep up to date with homescreen announcements and our private messaging system called “Kmail;” access live “ClassConnect” sessions; and check the “MyInfo” space—a central location for useful account information.

In grades K–8, you can often move around the order of subjects. High school classes are on a more fixed schedule. (Varies by school.)

Let’s say your 10-year-old son is great at math but finds it harder to focus on history. It may work better to tackle history first thing in the morning when he’s fresh, and let math be a late day “treat” when other work is done.

“My daughter’s favorite subject is literature and she doesn’t like to stop in the middle of a story; so when there are two sessions, I let her read them both in one day.”

Within sensible limits, K12 puts you in control.
When you log in to the Online School, you’ll see a list of each of your students’ courses. Here’s where you can also access your Kmail and any announcements, log attendance, join ClassConnect sessions, check out Advance Prep, and contact teachers.

**Engaging Content**

K¹² lessons feature engaging, interactive content that captures students’ imaginations and helps drive mastery of lesson objectives.
Today’s To-Do List

This is your Main Plan view. It’s where you can see an overview of what your student needs to do that day. There is also a Weekly Plan view.

Attendance View

The Attendance view shows what courses are on your student’s schedule and allows you to enter his or her time spent per class. Requirements vary by school, but attendance should typically be logged every day.
Advance Prep

Advance Prep gives an overview of each lesson and shows what you’ll need to gather for your student to complete the lesson.

Schedule Setup

In the Plan menu, you can find a recommended weekly schedule that can be changed as needed, depending on the school. This allows you to schedule days off (within the parameters set by your school) and show or hide courses as necessary.
**K–8 OLS ... continued**

**Progress Tab**

The Progress section allows you and your student to see what lessons have been completed and what objectives your child has yet to master.

**Materials for Day**

Located under the “Plan” tab, here is where you’ll find a list of the materials necessary to successfully complete the lessons. These materials lists are printable so you can keep them handy.
High School Online School (OLS)

**Student Homepage**

The student’s OLS homepage provides quick access to course material, ClassConnect sessions, Kmail, and more, and lets students connect to their teachers and submit assignments.

**Learning Coach Homepage**

The Learning Coach OLS homepage gives detailed views of the student’s grades, course progress, overdue assignments, and more, as well as access to Kmail to keep up on school and teacher messages.
High School OLS ... continued

**Student Gradebook**

Students can check their progress for each course. Teachers record grades for assignments, tests, and quizzes. Each student has his or her own username and password.

**Learning Coach Gradebook**

Learning Coaches can check their student’s progress for each course and view grades for assignments, tests, and quizzes. Each Learning Coach has his or her own username and password.
Course Detail
When a student accesses a course, he or she sees all of the units within that course and the lessons within those units. Clicking the unit name brings up the lessons to be completed and shows the outline and goals of each lesson.

Dropbox
Here is where students submit assignments to their teachers for grading. Many colleges also use this tool, so it’s a great way for teens to get a feel for how they may submit assignments in the future.
The Online School (OLS)

ClassConnect

ClassConnect is a virtual classroom experience, required in many K12 schools, where teachers can present lessons; show videos, demonstrations, and presentations; ask questions; and hold discussions. They can even put students into small groups for collaborative sessions in private “breakout” rooms.

Kmail

K12 students and parents connect to teachers and each other via Kmail, our private messaging interface that is built into the Online School. Kmail delivers information about the school, upcoming lessons, announcements, and any other relevant topics to help families succeed.
Extracurricular

Clubs, Clubs, and More Clubs

Thousands of K12 students across the U.S. and around the world are members of a wide variety of clubs covering myriad interests; these clubs can be part of a typical day for many kids. Students with a faculty sponsor can even start clubs of their own. See more about our clubs at K12.com/clubs.

In short, a day in the life with K12 is a day full of learning and stimulation, growth and fun, critical and creative thinking—and just like our students, no two days are exactly alike!
Early Learning

K12 has programs to help kids start learning from the earliest days. Whether that’s kindergarten prep or early reading and writing practice, we help children get on the road to education while their brains are still developing.
EmbarK12

You want to give your child the strongest start possible. As your child’s first teacher, you can play that crucial role in preparing your little one for kindergarten.

EmbarK12 is a robust kindergarten readiness program based on the award-winning K12 curriculum. Available for purchase in two versions—fully online and a combination of online and hands-on—EmbarK12 gives young learners a fun way to grasp critical concepts to ensure a strong start when they’re ready for school.

Find out more at K12.com/embark
Noodleverse Language Arts

Reading and writing are the launch pads for exploring the universe inside every child.

Noodleverse™ Language Arts is an online reading and writing skills practice and enrichment program that allows kids to work independently to become more confident, competent readers and writers, with hours of fun activities that really cement those crucial reading and comprehension skills—phonics, spelling, vocabulary, grammar, writing, and much more.

Noodleverse is offered as part of the curriculum in many K12 schools, and it’s also available for separate purchase.

Find out more at K12.com/noodleverse-language-arts
Starting from the earliest grades, K¹² offers courses in all core subjects—English, math, science, history, art, and music—as well as world languages starting in grade 3. Our courses have been developed to meet or exceed state education standards, and all align to state requirements.

Coursework is a mix of online and hands-on work that caters to a wide variety of learning styles. Unit and course assessments are built in to each subject, and easy-to-use online planning and progress tools keep you and your students on track.
LANGUAGE ARTS
To promote comprehension, build vocabulary, and encourage a lifelong interest in reading, students explore:

• **Phonics:** K12’s PhonicsWorks program provides systematic, multisensory instruction in phonemic awareness and decoding skills using letter tiles, games, and activities

• **Literature and Comprehension:** Read-aloud literature—classic fairy tales, fables, and folktales—kindles imagination while building comprehension and vocabulary

• **Language Skills:** Students develop a love of language from traditional poems, nursery rhymes, and riddles; offline vocabulary instruction accompanies online review and practice

• **Handwriting:** *Handwriting Without Tears* provides instruction for printing letters correctly

HISTORY
In this course, which teaches the basics of world geography and the seven continents, students:

• Explore the Great Barrier Reef in Australia, the frozen expanses of Antarctica, and the grasslands and rain forests of Africa

• Learn what it’s like to climb the Andes and ride with the gauchos

• Become familiar with the landmarks, people, and stories of countries in Europe, Asia, and North America

• Learn about American history through biographies of famous figures, including Christopher Columbus, the Pilgrims, Thomas Jefferson, Sacagawea, Harriet Tubman, Susan B. Anthony, Abraham Lincoln, Thomas Edison, Cesar Chavez, Martin Luther King, Jr., and more

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
K | Kindergarten

MATH
This course introduces students to numbers 1 through 30 using engaging graphics, learning tools, and games. Adaptive activities help struggling students master concepts and skills before moving on to more content. Students develop skills in calculating, solving problems, and understanding concepts by:

• Reading, writing, counting, comparing, ordering, adding, and subtracting
• Gathering and displaying simple data
• Exploring early concepts in place value, time, length, weight, and capacity
• Studying two- and three-dimensional figures
• Identifying and sorting patterns
• Relating mathematical figures to objects in their environment

SCIENCE
Students begin to develop observation skills as they learn about the five senses, the earth’s composition, and the basic needs of plants and animals. Students explore topics such as:

• My Body: The five senses, major organs and systems
• Plants and Animals: Their needs and habitats, conservationist Jane Goodall
• Measurement: Size, height, length, weight, capacity, and temperature
• Matter: Solid, liquid, and gas
• The Seasonal Cycle: Changing weather in the seasons
• Our Earth: Geographical features, taking care of the earth, environmentalist Rachel Carson
• Motion: Pushes and pulls, magnets
• Astronomy: Earth, Sun, Moon, and stars; exploring space; astronauts Neil Armstrong and Sally Ride

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MUSIC

Students learn about music through lively activities, including listening, singing, and moving. Through games and folk songs from diverse cultures, students learn musical concepts such as high and low, and loud and soft. Creative movement activities help students enjoy the music of composers such as Grieg and Haydn. Students will:

• Sing along with folk songs
• Practice moving to music
• Listen actively to different kinds of music
• Understand concepts such as high and low, fast and slow, long and short, loud and soft
• Identify and contrast beat and rhythm

ART

In this introduction to the elements of art—line, shape, color, and more—students will:

• Learn about important paintings, sculpture, and architecture
• Study the works of artists like Henri Matisse, Joan Miró, Rembrandt van Rijn, Ando Hiroshige, Paul Cézanne, Pablo Picasso, and Faith Ringgold
• Create artworks similar to those they’ve learned about, including paintings inspired by Henri Matisse and mobiles inspired by Alexander Calder
1

First Grade

K 1 2 3 4 5 6 7 8
1

First Grade

LANGUAGE ARTS
To promote comprehension, build vocabulary, and encourage a lifelong interest in reading, students explore:

- **Phonics**: Students practice previously learned and new phonemic skills, and read online decodable content—short, interactive stories
- **Literature and Comprehension**: Students read selections from the classics, nonfiction magazines, trade books, and books they choose, and they listen to and read poetry, fiction, and nonfiction
- **Writing Skills**: Students learn grammar and usage plus techniques for planning, organizing, and creating written materials; journal assignments help generate ideas for writing assignments
- **Vocabulary**: Students practice, learn, and review vocabulary words online; a Unit Checkpoint tests what students have learned
- **Spelling**: Students develop spelling skills through online review and offline assessments
- **Handwriting**: Students further develop skills through *Handwriting Without Tears*

HISTORY
Spanning the elementary grades, this course kicks off a program that provides an overview of world history from the Stone Age to the Space Age. Through lively stories and activities, students learn about:

- Nomadic children in ancient Mesopotamia who settled in the Fertile Crescent
- Ancient Egypt’s pharaohs and the pyramids
- The origins of Judaism and historical figures such as Abraham, Joseph, Moses, and David
- The origins of democracy in ancient Greece, the first Olympic games, the Trojan War, Alexander the Great, and Greek myths
- Ancient India and the origins of Hinduism and Buddhism
- Ancient China, the wisdom of Confucius, and the building of the Great Wall

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MATH
This course extends students’ work with numbers through 100 using graphics, learning tools, and games. Adaptive activities help struggling students master concepts and skills before moving on to more content. Students develop skills in calculating, solving problems, and understanding concepts by:

• Adding and subtracting
• Focusing on number sentences
• Working with money, telling time, and ordering events
• Measuring length, weight, and capacity with non-standard units
• Identifying attributes of geometric figures
• Identifying and sorting patterns
• Representing and comparing data

SCIENCE
Students begin to learn about how scientists see the natural world, and perform experiments to develop observation and analysis skills. They germinate seeds to observe plant growth, and make a weathervane when learning about the weather. Students explore topics such as:

• Matter: States of matter, and mixtures and solutions
• Weather: Cloud formation, the water cycle
• Animal Classification and Adaptation: Insects, amphibians and reptiles, birds, mammals
• Habitats: Forests, deserts, rain forests, grasslands, and more; conservation; naturalist John Muir
• Oceans: Waves and currents, coasts, coral reefs and kelp forests, oceanographer Jacques Cousteau
• Plants: Germination; functions of roots, stems, flowers, chlorophyll, and more
• The Human Body: Major systems, the first female doctor Elizabeth Blackwell
• Light: How light travels, reflections, inventor Thomas Edison

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
First Grade

MUSIC
In this course, students begin to read and write simple melodic and rhythmic patterns by exploring folk songs and through games. Students are introduced to opera through Mozart’s *Magic Flute* and instruments of the orchestra through Prokofiev’s *Peter and the Wolf*. They explore how music tells stories in *The Sorcerer’s Apprentice*. Students will:

- Sing along with folk songs
- Practice moving to music
- Listen actively to different kinds of music
- Begin to learn how to read and write music
- Learn to recognize melody in three- and four-note patterns
- Identify rhythms in music using eighths, quarters, and rests
- Learn how different kinds of music, such as tone poems and operas, can tell stories

ART
Following the timeline of K12’s History program, first-grade Art introduces the art and architecture of different cultures such as Mesopotamia and ancient Egypt, Greece, and China. Students will:

- Identify landscapes, still lifes, and portraits
- Study elements of art such as line, shape, and texture
- Create artworks similar to those they’ve learned about, including painting a bold brushstroke landscape inspired by Vincent van Gogh’s *The Starry Night* and molding clay sculptures inspired by the Great Sphinx and a bust of Queen Nefertiti

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Second Grade
LANGUAGE ARTS

This course is designed to help students develop comprehension, build vocabulary, and become more independent readers through:

- **Literature and Comprehension**: Students transition from guided to independent reading in classic literature, poetry, nonfiction articles, and books students choose.
- **Writing Skills**: Students apply skills in usage, capitalization, parts of speech, and punctuation to write sentences and paragraphs; they draft, revise, proofread, and share their work: letters, poems, and reports.
- **Vocabulary**: Students increase their vocabulary through word study, analysis, and comprehension; they apply knowledge in a variety of contexts.
- **Spelling**: Students continue exploring spelling through sound–symbol relationships and patterns.
- **Handwriting**: Students further develop printing skills through *Handwriting Without Tears*; if appropriate, they begin cursive handwriting.

HISTORY

Through lively stories and activities, students continue to investigate history from the Stone Age to the Space Age as they learn about:

- Ancient Rome and historical figures such as Julius Caesar
- The beginnings of Christianity in the Roman Empire
- Exploits of the Vikings
- The achievements of early Islamic civilization
- Europe’s early Middle Ages, knights in armor, accounts and stories about Saint George, Joan of Arc, and Robin Hood
- Medieval African kingdoms of Ghana, Mali, and Songhai
- China’s Silk Road and Kublai Khan
- Samurai in feudal Japan and the growth of Buddhism and Shintoism
MATH
This course extends students’ work with numbers through 1,000 using graphics, learning tools, and games. Adaptive activities help struggling students master concepts and skills before moving on to more content. Students develop skills in calculating, solving problems, and understanding concepts by:

• Adding and subtracting
• Exploring inverse operations, properties of operations, decomposing numbers, and mental math
• Working with money, time, and measurement
• Identifying attributes of geometric figures
• Analyzing and displaying data with new representations
• Determining the range and mode of data
• Applying early concepts of multiplication, division, and fractions

SCIENCE
Students learn how scientists understand the world, and perform experiments to develop observation and analysis skills. They demonstrate how pulleys lift heavy objects, make a temporary magnet and test its strength, and analyze the parts of a flower. Students explore topics such as:

• The Metric System: Liters and kilograms, and how scientists use them
• Force: Motion and simple machines, physicist Isaac Newton
• Magnetism: Magnetic poles and fields, how a compass works
• Sound: How sounds are made, inventor Alexander Graham Bell
• The Human Body: Cells, the digestive system
• Geology: Layers of the earth, kinds of rocks, weathering, geologist Florence Bascom
• Life Cycles: Plants and animals

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Second Grade

MUSIC
In this course, students learn to read more complicated melodic patterns and rhythms by exploring folk songs and through games. They learn to recognize melodic patterns by listening to the works of great composers such as Vivaldi and Saint-Saens. Students will:

• Sing along with folk songs
• Practice moving to music
• Listen actively to different kinds of music
• Read and write music
• Learn to recognize melody in three- and four-note patterns
• Identify rhythms in music using half notes
• Become familiar with the string and percussion instruments of the orchestra
• Recognize duple and triple meter
• Begin to understand standard musical notation

ART
Following the timeline of K12’s History program, second-grade Art introduces the art and architecture of ancient Rome, medieval Europe, Islam, Mexico, Africa, China, and Japan. Students will:

• Examine elements and principles of art such as lines, shapes, and patterns
• Study and create self-portraits, landscapes, and sculptures
• Create artworks similar to those they’ve learned about, including painting their own narrative landscape inspired by Winslow Homer’s Snap the Whip and designing stained glass windows inspired by the Cathedral of Notre Dame in Paris

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Third Grade
Third Grade

LANGUAGE ARTS

In this course, students receive structured lessons in the language arts. They practice test-taking skills to prepare for standardized assessments and tests. And they develop comprehension and literary analysis skills through:

- **Literature and Comprehension**: Students read a variety of poetry, fiction, and nonfiction and then work online to analyze and examine the selections in more depth.
- **Writing Skills**: Students learn about grammar, usage, and mechanics, as well as how to plan, write, revise, proofread, and publish various forms of writing through online and offline activities.
- **Vocabulary**: Students learn, review, and practice vocabulary words online.
- **Spelling**: Students learn new words, practice their spelling, and master spelling skills needed to read and write proficiently through online and offline activities.
- **Handwriting**: Students develop handwriting and cursive writing skills through practice workbooks.

HISTORY

Through lively stories and activities, students continue to investigate history from the Stone Age to the Space Age as they learn about:

- The Renaissance, Petrarch, da Vinci, Michelangelo, Gutenberg, and Galileo.
- The Age of Exploration with Dias, da Gama, and Magellan.
- The Maya, Aztecs, and Incas.
- Civilizations in India, Africa, China, and Japan.
- Jamestown, Plymouth, and the 13 colonies in Colonial America.
- The American Revolution.

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.

MATH

Through graphics, learning tools, and games, this course provides a quick overview of addition and subtraction with a greater focus on multiplication and division that also encompasses early algebra. Adaptive activities help struggling students master concepts and skills before moving on to more content. Students develop skills in calculating, solving problems, and understanding concepts by:

- Studying decimals in relationship to money and place value
- Exploring fractions through multiple representations and probability
- Exploring geometry and measurement through two- and three-dimensional shapes
- Working with perimeter, area, and volume
- Applying measuring techniques to time, length, capacity, and weight

SCIENCE

Students learn how scientists understand the world and perform experiments to develop observation and analysis skills. They chart phases of the Moon, determine the properties of insulators and conductors, and make a three-dimensional model of a bone. Students explore topics such as:

- Weather: Air pressure, precipitation, clouds, humidity, fronts, forecasting
- Vertebrates: Features of fish, amphibians, reptiles, birds, and mammals
- Ecosystems: Climate zones; tundra, forest, desert, grassland, freshwater, and marine ecosystems
- Matter: Phase changes; volume, mass, atoms, physical and chemical changes
- The Human Body: The musculoskeletal system, the skin
- Energy: Forms of energy, transfer of energy, conductors and insulators, renewable and nonrenewable energy resources
- Light: Light as energy, the spectrum, how the eye works
- Astronomy: Phases of the Moon, eclipses, the solar system, stars and constellations, the Milky Way
MUSIC
Through traditional folk songs and games, students learn to read and write a variety of musical patterns. They learn to play simple melodies and rhythms on the recorder. Students learn about the lives and works of Bach, Handel, Haydn, Mozart, and Beethoven. Students will:

- Sing along with folk songs
- Practice moving to music
- Listen actively to different kinds of music
- Read and write music
- Learn to recognize melody in four-and five-note patterns
- Identify rhythms in music using sixteenths, dotted half notes, and whole notes
- Recognize AB and ABA form
- Become familiar with brass and woodwind instruments of the orchestra

ART
Following the timeline of K12’s History program, third-grade Art introduces the art and architecture of the Renaissance throughout Europe and Northern Europe. Students will:

- Extend their knowledge of the elements and principles of art such as form, texture, and symmetrical balance
- Draw, paint, and sculpt a variety of works, including self-portraits, landscapes, and still lifes
- Investigate artworks from Asia, Africa, and the Americas
- Create artworks similar to those they’ve learned about, including drawings inspired by da Vinci’s Mona Lisa and making prints inspired by the Taj Mahal

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Fourth Grade
Fourth Grade

LANGUAGE ARTS
Students read fiction and nonfiction with emphasis on classic literature such as episodes from Robinson Crusoe, legends, and folktales. A test preparation program prepares them for standardized tests. Students develop comprehension and literary analysis skills and become more independent readers through:

- **Literature:** Students read four novels from a list, including titles such as *The Cricket in Times Square* and *Sarah, Plain and Tall*
- **Composition:** Students experience the writing process as they create a report, book review, persuasive essay, news article, and poetry
- **Grammar, Usage, and Mechanics:** Students begin sentence analysis and diagramming; continue learning sentence structure, parts of speech, and usage
- **Vocabulary:** The Vocabulary Workshop helps students enrich their vocabulary, develop word analysis skills, and prepare for standardized tests
- **Spelling:** Students recognize base words and roots in related words, and continue learning sound–symbol relationships and spelling patterns

HISTORY
Concluding their investigation (spanning grades 1–4) into history from the Stone Age to the Space Age, students turn to the modern world where they learn about:

- The Age of Enlightenment, the Scientific Revolution, Isaac Newton, and Benjamin Franklin
- James Madison and American constitutional government, and Napoleon in France
- Various revolutions in Latin America
- Nationalism, industrialism, and imperialism—and how these great changes shaped and sometimes shattered the modern world, leading to two world wars
- Inventors and innovators who achieved advances in communication, transportation, medicine, and government

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Fourth Grade

MATH

Through graphics, learning tools, and games, this course focuses on applications and properties of operations. Adaptive activities help struggling students master concepts and skills before moving on to more content. Students develop skills in calculating, solving problems, and understanding concepts by:

- Working with simple fraction and decimal operations, applying them to measurements, probability, and data
- Exploring mathematical reasoning techniques
- Studying fractions and their equivalent decimals on the number line
- Exploring early work with integers
- Working with variables, formulas, and graphing coordinates in perimeter, area, and rate to develop algebraic thinking
- Working with greater classifications of shapes, lines, angles, and rotations to learn more about geometry

SCIENCE

Students develop scientific reasoning skills through experiments. They construct an electromagnet, identify minerals according to their properties, separate liquids with chromatography, and build food webs. They explore topics such as:

- **The Interdependence of Life**: Producers, consumers, and decomposers; food webs
- **Animal and Plant Interactions**: Populations, competition, predators and prey, symbiosis, animal behavior
- **Invertebrates**: Sponges, worms, mollusks, arthropods, echinoderms
- **Chemistry**: Mixtures vs. solutions; distillation, evaporation, and chromatography
- **Forces and Fluids**: Pressure, forces in flight, density, buoyancy
- **Human Body**: Nervous system, endocrine system
- **Electricity and Magnetism**: Charges, magnets, static electricity
- **Rocks and Minerals**: Earth’s interior, crystals, rock cycle, volcanoes, earthquakes
- **The Fossil Record and the History of Life**: Types of fossils; Paleozoic, Mesozoic, and Cenozoic eras

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MUSIC

This course introduces notes that are lower or higher than the familiar lines and spaces of the staff. Students expand their knowledge of rhythm and harmony, and practice recognizing pentatonic patterns. Students learn about the Romantic period, including works by Schubert, Schumann, Brahms, and Tchaikovsky, and explore the music of Europe, Africa, the Middle East, the Caribbean, Japan, and China. Students will:

- Identify notes below do in song material
- Perform songs with solfège syllables for low la and low so
- Read and write patterns with low la and low so
- Identify rhythms of ti-ti and tiri-ti
- Read and write patterns with ti-ti and tiri-ti
- Identify Romantic composers and their music

ART

Following the timeline of K12’s History program, fourth-grade Art introduces the art and architecture of the French and American Revolutions through modern times. Students will:

- Study and create artworks in various media, including portraits, quilts, sculpture, and collage
- Investigate the art of the United States, Europe, Japan, Mexico, and Africa
- Learn about Impressionism, Cubism, Art Nouveau, Regionalism, and more
- Create artworks similar to those they’ve learned about, including clay figures inspired by the sculptures and paintings of Edgar Degas and painting landscapes inspired by the works of Grandma Moses

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Fifth Grade

LANGUAGE ARTS

Students read fiction and nonfiction with emphasis on classic literature such as tales of Robin Hood, selections from A Midsummer Night’s Dream, and Sherlock Holmes mysteries. Students develop comprehension and literary analysis skills and become more independent readers through:

- **Literature:** Students choose four novels from a list, including titles such as Pippi Longstocking, Call It Courage, and more.
- **Composition:** Students experience the writing process as they create a memoir, an editorial, research paper, business letter, and more.
- **Grammar, Usage, and Mechanics:** Students continue sentence analysis and diagramming and learning about parts of speech, punctuation, and research.
- **Vocabulary:** The Vocabulary Workshop continues to help students enrich their vocabulary, develop word analysis skills, and prepare for standardized tests.
- **Spelling:** Students identify affixes; continue learning about sound–symbol relationships, spelling patterns, and base words and roots in related words.

HISTORY

This course is the first half of a two-year survey of United States history that takes students from the arrival of the first people in North America through the Civil War and Reconstruction. Lessons integrate topics in geography, civics, and economics. Building on the award-winning series A History of US, the course guides students through:

- Native American civilizations
- European exploration and colonization
- The causes and aftermath of the American Revolution
- The Constitution and growth of the new nation
- The causes and aftermath of the Civil War

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MATH
Through graphics, learning tools, and games, this course investigates whole numbers through practical situations in rounding, exponents and powers, and elementary number theory. Adaptive activities help struggling students master concepts and skills before moving on to more content. Students develop skills in calculating, solving problems, and understanding concepts by:

- Adding and subtracting integers
- Applying work with rational numbers to problem-solving experiences
- Building skills in algebra: working with variables, solving equations and inequalities, using formulas within geometry and measurement, working within the coordinate system
- Building skills in geometry: continuing work with lines, angles, two- and three-dimensional figures; formal constructions and transformations

SCIENCE
Students perform experiments to develop scientific reasoning skills. They build a model of a watershed, test how cell membranes function, track a hurricane, and analyze the effects of gravity. Students explore topics such as:

- **Water Resources**: Water pollution, conservation, aquifers, watersheds, wetlands
- **The World’s Oceans**: Properties of oceans; currents, waves, and tides; marine organisms
- **Earth’s Atmosphere**: Layers; weather patterns, maps, and forecasts; El Niño; the greenhouse effect
- **Forces of Motion**: Pushes and pulls, position and speed, inertia, gravity and motion
- **Chemistry**: Elements and compounds, the Periodic Table, chemical reactions, acids and bases
- **Cells and Processes**: Structure, photosynthesis, growth cycles, genes, DNA
- **Taxonomy**: Classifications, plants, animals, monerans, viruses, protists, fungi
- **Animal Physiology**: Circulatory, respiratory, digestive, excretory, and immune systems

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MUSIC
This course introduces the notes of the major scale. Students also learn to recognize and sing the natural minor scale, and expand their knowledge of rhythm with simple syncopated patterns. Students learn about the Modern period, including the music of Debussy, Bartok, Stravinsky, and Prokofiev, as well as folk music across America. Students will:

• Identify notes from low so up to high do
• Learn about octaves
• Learn about syncopated rhythms
• Recognize major forms of classical music: the song, themes and variations, rondos, sonatas, and fugues
• Identify Modern composers and their music

ART
Following the timeline of K12’s History program, fifth-grade Art introduces the art and architecture of North America from pre-Columbian times through 1877. Students will:

• Study and create realistic and abstract artworks, including sketches, masks, architectural models, prints, and paintings
• Investigate the art of the American Indians, and Colonial and Federal America
• Learn about representational, abstract, and non-representational artworks
• Create artworks similar to those they've learned about, including paintings of birds inspired by the work of John James Audubon and weavings inspired by the colors and patterns of Navajo blankets

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Sixth Grade
ENGLISH

This course sharpens students’ reading comprehension and analysis skills through reading a variety of literature offered to suit diverse tastes. Students choose three novels from a list, including titles such as *A Wrinkle in Time*, *The Fellowship of the Ring*, and more. Through classic stories, plays, and poems—including works by Emily Dickenson, William Shakespeare, and Leo Tolstoy—students develop deeper literary analysis skills as they:

- Consider important human issues and challenging ideas
- Consider characters’ feelings, thoughts, and ideas
- Make connections between literature and life
- Read for information in nonfiction texts

HISTORY

This course is the second half of a two-year survey of United States history that takes students from the westward movement of the late 1800s to the present. Lessons integrate topics in geography, civics, and economics. Building on the award-winning series *A History of US*, the course guides students through:

- The impact of the settlement of the American West
- The social, political, and economic changes that resulted from industrialization
- The changing role of the U.S. in international affairs from the late 19th century through the end of the Cold War
- Major events and trends from the Cold War through the first decade of the 21st century

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Sixth Grade

MATH

Two course options are available for grade 6:

Intermediate Mathematics A

This course is the first of a three-year middle school math sequence that focuses on computation fluency, conceptual understanding, and problem solving and expands into concepts of geometry, algebra, and statistics.

Math 6: Fundamentals of Geometry and Algebra

In this course, students enhance their computation and problem-solving skills while learning topics in algebra, geometry, probability, and statistics.

SCIENCE

In this earth science course, students relate to their everyday world as they learn about geological history, landforms around the globe, the nature of the sea and air, and the newest discoveries in our universe. Students explore topics such as:

- Fundamentals of geology, oceanography, meteorology, and astronomy
- Earth’s minerals and rocks
- Earth’s interior
- Plate tectonics, earthquakes, volcanoes, and the movements of continents
- Geology and the fossil record
- Oceans and the atmosphere
- The solar system and the universe

An advanced option of this course is also available.

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Sixth Grade

MUSIC
This first music concepts course teaches the fundamentals of music as they relate to the piano key. Also included is a study of Beethoven, Mendelssohn, Mozart, Vivaldi, Corelli, and their music. Students will:
- Learn about the staff
- Study the keyboard
- Recognize scales
- Identify flats and sharps

ART
Following the timeline of K-12’s History program, sixth-grade Art introduces the art and architecture of North America, from the end of the Civil War through modern times. Students will:
- Study and create realistic, abstract, and representational artworks, including clay sculptures, architectural models, and paintings
- Investigate various styles of art from Impressionistic to Pop Art
- Examine folk art, modern sculpture, and modern architecture (including skyscrapers and museums), and see how photographers and painters have inspired one another
- Create artworks similar to those they’ve learned about, including making cityscapes inspired by Edward Hopper and Stuart Davis, and models of monumental sculpture inspired by Alexander Calder
Seventh Grade

**ENGLISH**

This course continues to sharpen students’ reading, comprehension, and analysis skills through a variety of literature to suit diverse tastes. Students choose three novels from a list, including titles such as *War of the Worlds*, *The Swiss Family Robinson*, and more. Through classic stories, plays, and poems—including works by Oscar Wilde, O. Henry, and Langston Hughes—students develop deeper literary analysis skills as they:

- Consider important human issues and challenging ideas
- Consider characters’ feelings, thoughts, and ideas
- Make connections between literature and life
- Read for information in nonfiction texts

**HISTORY**

This course is a survey of world history from prehistoric times to the 14th century and includes the development of religion, philosophy, the arts, science, and technology. Students will explore:

- The findings of archaeologists and historians about the earliest hunter-gatherers, farmers, and four river valley civilizations
- The origins of Confucianism, Hinduism, Buddhism, and Judaism
- Ancient Greece and Rome, the Byzantine Empire, the origins of Christianity and Islam
- 14th century Europe, North Africa, and East Asia
- Art documentation and analysis, conducting research, reading maps, and various forms of writing
- How historians draw conclusions about the past

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MATH

Two course options are available for grade 7:

Intermediate Mathematics B

This course is the second of a three-year middle school math sequence that prepares students for success in high school algebra. Students develop an understanding of operations with rational numbers, which they apply to working with algebraic expressions and linear equations.

Math 7: Pre-Algebra

In this course, students take a broader look at computation and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions, analyze geometric figures, apply the Pythagorean Theorem, and much more.

SCIENCE

In this life science course students investigate the world of living things by reading, observing, and performing laboratory activities. They explore varieties of organisms, the complex workings of the cell, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students explore topics such as:

- The chemical building blocks of life
- Fundamentals of ecology and life’s environments
- The biology of organisms from bacteria to mammals
- The life processes of plants
- The varieties of cell structure and how cells perform tasks necessary for life
- Fundamentals of genetics

An advanced option of this course is also available.

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MUSIC
This second music concepts course teaches the fundamentals of music as they relate to the piano key. Also included is a study of Sousa, Chopin, Schumann, Grieg, Verdi, and their music. Students will:

• Learn about the elements of rhythm and melody
• Study the keyboard
• Recognize minor scales
• Identify syncopated rhythms and harmony

ART
Following the timeline of K–12’s History program, seventh-grade Art introduces world art and architecture from ancient through medieval times. Students will:

• Study the Parthenon in Greece and the cathedral of Notre Dame in Paris
• Compare works from different civilizations, including paintings, sculpture, architecture, pottery, mosaics, and more
• Explore works preserved in ancient tombs, including the treasures of King Tut and the terra cotta army of Chinese Emperor Qin Shi Huangdi
• Create artworks similar to those they’ve learned about, including making a relief in a clay slab inspired by Mesopotamian, Egyptian, and Roman reliefs and constructing a model gateway inspired by those leading to ancient architectural sites
Eighth Grade
ENGLISH
Offering short stories, poetry, drama, novels, and nonfiction, this course continues to strengthen students’ literary analysis and written and oral communication skills through:

- **Literature:** Students analyze texts for formal literary features and how a work’s ideas, characters, and conflicts are relevant to everyday life
- **Composition:** Students learn to structure complex essays and respond to writing prompts similar to those on standardized tests
- **Grammar, Usage, and Mechanics:** Students explore modifiers, appositives, gerunds, and more; analyze syntax and diagram sentences; and reinforce their knowledge of grammar rules and conventions
- **Vocabulary:** Students learn about Greek and Latin words that form roots of English words and use word origins and derivations to determine the meanings of words that frequently appear on standardized tests

HISTORY
This course continues a survey of world history from the 14th century to 1917 and the beginning of World War I. Students explore developments in religion, philosophy, the arts, science, and technology in the context of:

- The cultural rebirth of Europe in the Renaissance
- The Reformation and Counter-Reformation
- The rise of Islamic empires
- Changing civilizations in China, Japan, and Russia
- The Age of Exploration and American civilizations prior to the arrival of Europeans
- The Scientific Revolution and the Enlightenment
- Democratic revolutions of the 18th and 19th centuries
- The Industrial Revolution and its consequences
- 19th century nationalism and imperialism
- Transformations in society and communications at the turn of the 20th century

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Eighth Grade

MATH

Two course options are available for grade 8:

Intermediate Mathematics C

This course is the third of a three-year middle school math sequence that prepares students for success in high school algebra. Content focuses on critical skills and knowledge needed for further mathematical studies. After completing this course, students will be prepared to take Algebra I in high school.

Math 8: Algebra

In this course, students develop algebraic fluency by learning the skills needed to solve equations and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible.

SCIENCE

In this physical science course (an advanced option is also available), students learn the fundamentals of physics and chemistry. They explore the forces that hold the universe together through topics such as:

- Structure of atoms
- Elements and the Periodic Table
- Chemical reactions
- Forces: gravitation, motion, acceleration, and mass
- Energy: light, thermal, electricity, and magnetism

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
MUSIC
This music appreciation course is a survey of music history from the ancient Greeks and Middle Ages to modern composers such as Copland and Prokofiev. The course also covers music fundamentals (including rhythm, beat, melody, harmony, form, and expression). Students will:

• Study the elements of music
• Explore music and emotion
• Identify different musical styles
• Learn about the musical instruments of world cultures
• Experience music through history

ART
Following the timeline of K12’s History program, eighth-grade Art introduces world art and architecture from the Renaissance through modern times. Students will:

• Compare works from different civilizations, including paintings, sculpture, architecture, book covers, prints, and more
• Study the techniques artists use to produce different effects in drawings, paintings, prints, and sculptures
• Learn how artists create decorative objects like book covers, wallpaper, and fabrics
• Create artworks similar to those they’ve learned about, including designing a building inspired by the work Donato Bramante and Frank Lloyd Wright and creating a self-portrait inspired by the work of Rembrandt, Judith Leyster, and Pablo Picasso

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
High School

K¹² offers high school courses in multiple levels—Foundations, Core, Comprehensive, Honors, Advanced Placement®, Remediation, and Credit Recovery. World languages are also available, as well as a wide variety of electives, which can be taken in any grade.

Graded assignments and assessments allow students to demonstrate progress against learning objectives, and easy-to-use online planning and progress tools keep them on track.
English

K12 high school English students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature—short stories, poetry, drama, novels, essays—both classic and modern, American and international. Teens sharpen their reading comprehension and analysis skills, and also learn to express their ideas effectively and creatively through writing. High school English courses help teens expand their understanding of grammar, usage, mechanics, and vocabulary. They can further hone these skills through electives like Journalism and Creative writing.

K12 ENGLISH COURSES

- English Foundations I
- English Foundations II
- Literary Analysis and Composition I
- Literary Analysis and Composition II
- Grammar and Composition
- English I
- English II
- English III
- English IV
- American Literature
- British and World Literature
- AP® English Language and Composition
- AP English Literature and Composition
- Journalism
- Public Speaking
- Creative Writing
- Gothic Literature

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Math

From math basics to higher-level calculus functions, K12 high school math courses prepare students for life beyond school. Teens can learn algebraic functions, geometry, consumer math, and more, all the way up to statistics and trigonometry. Electives in accounting and finance give students a solid starting point for further study or careers.

K12 MATH COURSES

- Math Foundations I
- Math Foundations II
- Consumer Math
- Practical Math
- Developmental Algebra
- Continuing Algebra
- Pre-Algebra
- Algebra I
- Geometry
- Algebra II
- Pre-Calculus/Trigonometry
- Trigonometry
- Pre-Calculus
- Integrated Mathematics I
- Integrated Mathematics II
- Integrated Mathematics III
- Probability and Statistics
- Calculus
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- Personal Finance
- Integrated Math

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Science

K12 Science courses give high school students a thorough grounding in the sciences—physical, earth, biology, chemistry, and physics. A combination of online lessons, virtual labs, and hands-on experiments and demonstrations let teens develop and test hypotheses using the scientific method. Electives like environmental and forensic science give students the opportunity to apply their scientific knowledge to even more specialized topics.

K12 SCIENCE COURSES

- Physical Science
- Earth Science
- Biology
- Chemistry
- Physics
- AP Biology
- AP Chemistry
- AP Environmental Science
- Environmental Science
- Forensic Science
- Astronomy
History and Social Sciences

High school courses in history and the social sciences cover important world events from prehistoric times to the present and beyond. Students learn about the world and their place in it, both as global and U.S. citizens. They dive into how history and geography affect current events, and see how they themselves can affect the future of the U.S. and the world.

K¹² HISTORY and SOCIAL SCIENCES COURSES

- World History
- Modern World Studies
- Geography
- U.S. History
- Modern U.S. History
- U.S. Government and Politics
- U.S. and Global Economics
- AP U.S. History
- AP U.S. Government and Politics
- AP Macroeconomics
- AP Microeconomics
- AP Psychology
- AP World History
- Anthropology
- Psychology
- Economics
- Civics
- Family and Consumer Science
- Contemporary World Issues
- Sociology
- Archaeology

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
Electives

High school is a time for teens to explore new interests and dive deeper into current ones, to see how they might fit into their lives after graduation. K12 is pleased to be able to offer electives across a broad variety of interests, from technology to finance to fine arts. These courses give teens the experiences with disciplines outside the core subjects, helping them to become more rounded individuals and nurturing budding passions that may stay with them for life. Some electives are also available as summer school courses.

Career Readiness electives give students the opportunity to explore a variety of careers as they begin to map out plans beyond high school. As students learn more about opportunities after high school, they will be better prepared to meet the demands of the marketplace and select a college or career path that suits them best.

TECHNOLOGY and COMPUTER SCIENCE ELECTIVES

- Computer Fundamentals
- Computer Literacy
- 3D Art I: Modeling
- 3D Art II: Animation
- Audio Engineering
- Green Design and Technology
- Digital Photography
- Digital Arts I
- Digital Arts II
- Image Design and Editing
- Computer Science
- Engineering Design/CAD
- Web Design
- C++ Programming
- Programming I: VB.NET
- Programming II: Java
- Game Design

NOTE: Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
ART and MUSIC ELECTIVES
- Fine Art
- Music Appreciation

BUSINESS ELECTIVES
- Personal Finance
- Introduction to Entrepreneurship I
- Introduction to Entrepreneurship II
- Introduction to Marketing I
- Introduction to Marketing II
- Sports and Entertainment Marketing

CAREER READINESS ELECTIVES
- Veterinary Science
- Introduction to Agriscience
- Introduction to Health Sciences
- Careers in Criminal Justice
- Criminology
- Law and Order
- Hospitality and Tourism
- Introduction to Culinary Arts
- Fashion and Interior Design
- Early Childhood Education

ENGLISH ELECTIVES
- Journalism
- Public Speaking
- Creative Writing
- Gothic Literature

MATH ELECTIVES
- Integrated Math
- Accounting

SCIENCE ELECTIVES
- Environmental Science
- Astronomy
- Forensic Science

HISTORY and SOCIAL SCIENCES ELECTIVES
- Anthropology
- Psychology
- Economics
- Civics
- Sociology
- Contemporary World Issues
- Archaeology

OTHER ELECTIVES
- Service Learning
- Skills for Health
- Physical Education
- Reaching Your Academic Potential
- Achieving Your Career and College Goals
- Finding Your Path Series I-IV
- Drivers Safety
- Nutrition and Wellness
- Life Skills
- Family and Consumer Science

CREDIT RECOVERY ELECTIVES
- Health
- Physical Education
- Spanish I

... Electives continued
Sample Lessons

There’s no better way to get a feel for what the K¹² experience is like than to take a look at some sample lessons.

Our lessons will give you a taste of how the Online School works, what kind of planning and progress tools are available, the types of activities—online and offline—that are included in the lessons, and a look at just how much thought goes into the production of the curriculum.

Take a look at some sample lessons at K12.com/sample-lessons.
Sample Lessons

KINDERGARTEN
• **English/Language Arts:** Digraphs *sh* and *th*
• **Math:** Using Money
• **History:** The Wright Brothers: First to Fly
• **Science:** Bones Make Our Skeletons
• **Music:** Beats Can Be Divided in Different Ways

FIRST GRADE
• **Literature:** Introduce *Sylvester and the Magic Pebble*
• **Math:** The Equals Symbol
• **Science:** The Deep Ocean
• **History:** Chinese Calligraphy
• **Art:** Portrait and Self Portrait
• **Music:** About Handel

SECOND GRADE
• **Language Arts:** What is a Presentation?
• **Math:** Time Relationships
• **Science:** The Ears Hear
• **History:** Androcles and the Lion

THIRD GRADE
• **Reading:** Digraphs and Sight Words
• **Math:** Numbers
• **Science:** What’s an Ecosystem?
• **History:** Gutenberg Breaks into Print
• **Art:** Bernini’s Sculpture and Architecture
• **Music:** About Handel

FOURTH GRADE
• **Reading:** Triple Consonant
• **Math:** Identify Diameters and Radii of Circles
• **Science:** Food Webs: Energy Flow in an Ecosystem
• **History:** A Fly on the Ceiling: The Story of Cartesian Coordinates
• **Art:** Cezanne’s Mountain
• **Music:** An Even Lower Note
FIFTH GRADE
- **Reading:** /j/ and Prefix –il
- **Math:** Compare Mean, Median, and Mode
- **Science:** Motion and Forces
- **History:** Columbus Journeys On
- **Art:** Northwest Coast Button Blankets
- **Music:** Music from Japan and China

EIGHTH GRADE
- **Literary Analysis and Composition:** Romeo and Juliet
- **Algebra:** The Quadratic Formula
- **Physical Science:** Waves, Sound, and Light
- **Intermediate World History:** The New Imperialism
- **Intermediate World Art:** Artistry at Building Sites

SIXTH GRADE
- **Language Arts:** Organizing Ideas for a Personal Narrative
- **Fundamentals of Geometry and Algebra:** Probability and Experiments
- **Earth Science:** Daily Weather
- **American History:** War
- **Art:** Stop Action Pictures

SEVENTH GRADE
- **English:** All The World’s A Stage
- **Pre-Algebra:** Equations
- **Advanced Life Science:** Viruses
- **Intermediate World History:** Ideas About the Gods
- **Intermediate Art:** Solar Disks

HIGH SCHOOL
- **Literary Analysis and Composition:** Stories in Verse – The Wreck of the Hesperus
- **American Literature:** Poetry of Walt Whitman
- **Algebra 1:** The Quadratic Formula
- **Biology:** The Science of Biology
- **Chemistry:** Balancing Chemical Equations
- **Modern World Studies:** Setting the Stage – Before 1850
- **U.S. History:** New Ideas and Issues
- **Fine Art:** Art of India

SIXTH GRADE: Stop Action Pictures

HIGH SCHOOL: New Ideas and Issues
Developed specifically for kids, K12’s world language courses use a proven, natural method for teaching with graphics, video, stories, music, games, and more to keep students engaged and make lessons fun. Multiple levels of these languages are available:

- Spanish
- French
- German
- Latin
- Mandarin Chinese (middle school only)
- Japanese
World Languages

Part of being a global citizen is the ability to speak the languages of other countries. K12 offers a variety of world language courses that have been developed specifically for kids—these are not modified adult courses. Teens learn to speak the language in a natural way, and explore the people and culture of the country whose language they’re practicing.

K12 WORLD LANGUAGES COURSES

Grades 3–8

• Elementary Spanish 1
• Elementary Spanish 2
• Elementary French 1
• Elementary French 2
• Elementary German 1
• Elementary German 2
• Elementary Latin 1
• Middle School Spanish 1
• Middle School Spanish 2
• Middle School French 1
• Middle School French 2
• Middle School German 1
• Middle School German 2
• Middle School Latin 1
• Middle School Latin 2
• Middle School Chinese 1
• Middle School Chinese 2

High School

• Spanish I
• Spanish II
• Spanish III
• Spanish IV
• AP Spanish Language and Culture
• French I
• French II
• French III
• French IV
• AP French Language and Culture
• German I
• German II
• German III
• German IV
• Latin I
• Latin II
• Chinese I
• Chinese II
• Japanese I
• Japanese II

NOTE: World languages are available starting in grade 3. Course offerings vary by school. Materials vary by course and grade, and some content may be delivered online instead of by disc. Contact your local school administrator for availability.
As part of the K12 high school experience, counselors work with students and also offer a variety of tools and programs to help students chart their own path to post-secondary success.
College and Career Prep

Counseling Program
As students progress through high school, school staff help them define their goals and put together a personalized plan. An online college and career planning tool dovetails with the K12 learning program to help students navigate through course selection, national tests, applications, job searches, or whatever is needed to support their post-secondary aspirations.

College and Career Workshops
K12 offers workshops for students and parents on college and career planning. These online video workshops provide a comprehensive approach to preparing for and applying to college as well as exposure to career fields and industry professionals. Sessions are regularly offered to students as young as middle school, reflecting the keen interest in post-secondary planning among students across many grades.

Early College Credit and Career Building
College and career preparation are also built into the K12 high school curriculum. This includes Honors courses, dozens of electives in many career-related fields, Advanced Placement (AP) courses, and dual-credit programs offered in partnership with post-secondary institutions across the U.S. These programs save families money and allow students to enter college with credits already earned. In the 2013–2014 school year, dual-credit programs resulted in students earning more than 6,500 early college credits and saving families a total of more than $3.6 million from future tuition costs.

K12 also prepares students for both college and career with our Destinations Career Academies (standalone schools offered in several states) and the Destinations Career Program (in-school program offered at several of our online public schools). Destinations students can earn college credits or a full associate’s degree, take courses built around several different career fields, and earn industry-recognized certifications upon graduation.

K12 includes a High School Profile with transcript requests. This detailed document provides the post-secondary institution with a validating perspective on the K12 approach, educating them regarding the programs and rigor that students experience.
Family Services

K¹² offers a large selection of live sessions and events, both in person and online, that provide assistance for parents with schooling their students, managing the home, and more.

The Student Support Network includes clubs, competitions, and a wide variety of other activities that help kids get and stay connected with other K¹² students nearby and across the globe.
K12 National Parent Network

Parent Workshops offer opportunities to learn about working with your student, parenting strategies, learning computer skills, improve your own math and writing skills, and more.

Parent2Parent Lifeline is an online drop-in opportunity for you to ask questions and get answers and advice from other experienced K12 parents on virtually any topic that pertains to schooling your student at home. These parents have been where you are, and they can help!

Preschool Story Time is a boon for K12 families with kids who are too young for school yet. Your little one will receive fun, educational, creative activities to complete after the session.

Parent Clubs and Communities give parents a chance to take part in online groups focusing on shared interests, including K12 Cooks, K12 Frugal Families Co-Op, and the K12 Military Hub.
K12 Student Support Network

**Student Clubs**
K12 students worldwide have access to a wide variety of clubs covering a huge range of interests: health and fitness, community service, college and career exploration and planning, LEGO, American Girl dolls, photography, books, movies, dance, guitar, languages, Mathletes, astronomy, graphic design, animal care, creative writing, chess. In addition, to these, many students start local clubs with other students in their area. (Club offerings vary by state.)

**Competitions**
K12 students have the opportunity to share their talents with their peers all over the world through competitions like the Art Contest, Poetry Contest, Music Showcase, and Spelling Bees.

**College and Career Workshops**
These online videos give teens and parents the information they need when they need it regarding preparation for and applying to college as well as exposure to many career fields. The workshops are used in many settings, including our popular College 101 and Career 101 clubs.

**Online Summer Camps**
These live online sessions are designed for new and returning students to get connected over the summer. Topics include movie making, detective science, photography, virtual field trips, and more.
Meet the Family

The best way to get a real feel for how the K12 program is working for all kinds of students is to hear it from the students—and their families—themselves.

While the students you’re about to meet are advanced in some subjects, a K12 education fits a broad spectrum. Whether you have a child craving a greater challenge or struggling to keep up, or whether you simply want a more personalized school experience, online learning with K12 can make the most of your child’s potential.
Paola

Maria and Ivan noticed early on that their daughter Paola was bored in school. They tried private schools and homeschooling but, as an advanced student, Paola needed more.

Seven years ago, the family discovered Georgia Cyber Academy—an online public school partnered with K12—and they’ve never looked back.

“K12 is a beautiful merger between homeschooling and public school,” says Maria, “and her teachers have been amazing.”

K12’s Individualized Learning Plan and Advanced Learner Program tailor an education that meets Paola’s needs. “We meet twice a year with her teacher to review her individual plan, and they’re able to adjust her learning to make it a little more advanced.”

Paola has plenty of time to pursue social activities with friends, including volleyball, Girl Scouts, and church. As for college, Paola says, “I will be ready to study science. I have learned enough that I know I’m going to do well.”
Austin and Andrew

“One of the rewards of being a parent of an online student,” says Sally, mom to Austin (12) and Andrew (7), “is that you are right there for those ‘aha’ moments.”

Early on, Austin was discovered to have a mild learning disability. Sally and dad James realized that he needed a varied pace—something difficult to find in a regular school.

After hearing about K12 and Washington Virtual Academy, the family decided to give it a try.

Sixth-grader Austin’s individualized program lets him work on 7th grade math. “The flexibility is beautiful for me. It’s a great confidence boost.”

Andrew’s favorite subject is science. His family keeps chickens, so he’s especially excited to learn about the cells of chicken eggs. “Learning with K12 makes me smart!”

Both boys have plenty of opportunities for social development between Cub Scouts, Boy Scouts, swimming and guitar lessons, and school field trips.
Lovell and Zachary

Since mom Anita was a traditional homeschooler to her sons Lovell (13) and Zachary (9) first, she appreciates how well the K12 online public partner school in Washington, D.C. is put together.

The rigorous curriculum, the OLS, and certified teachers support free Anita up to support her kids, rather than trying to do it all.

“It’s customized for my kids.” Lovell is working two years ahead in math and three in science. “It’s just the right speed for me,” the budding computer scientist says. And Zachary is a year ahead in most subjects as well.

Anita credits the K12 curriculum and the way subjects are “linked together” with helping her boys “become the kind of thinkers [who can] solve problems.”

The school sponsors local outings, and the boys have friends in the neighborhood and are active in skating and Tae Kwon Do.

“We want to help our children achieve their dreams,” Anita says. “K12 is helping to do that.”
Kelsey

Pam knew her daughter Kelsey was special “pretty much from the beginning. It was her drive, her passion, her intellect.”

In a traditional elementary school, Pam says, “the teachers stifled her learning.” Private school was too expensive. Public middle school meant long bus rides and “the typical drama,” so they tried homeschooling.

But as high school approached, it was clear they needed something more. A friend recommended the challenging and personalized K12 online schooling program.

From the start, Kelsey’s learning plans were geared to her. “I could pursue what I wanted to, at the right level and pace.”

In four years at Colorado Virtual Academy, Kelsey has learned four languages, funded overseas medical mission trips, starred in musical theater, and won a coveted college scholarship.

Pam says, “K12 is literally responsible for how Kelsey has blossomed.” Kelsey agrees, “K12 is the best thing I’ve ever done for my education and my future.”