

K-8 COURSES

2011–2012 School Year



K–8: NURTURING INQUISITIVE MINDS

Based on decades of education research, the K¹² curriculum offers a rich mix of content, including interactive lessons, elaborate textbooks, and lots of hands-on materials. This combination of online and offline content—of thinking and doing—helps engage young minds in the right ways.

The K¹² curriculum nurtures inquisitive minds with the simple approach that Big Ideas + Consecutive Down Payments + Practice = Content Mastery. This means that every lesson builds on prior learning, and students shouldn't move on to new material until they demonstrate "mastery" over the old. The curriculum itself is built around the notion of identifying the "big ideas" within a subject, then reinforcing that material through repetition and assessment.

The K¹² curriculum for grades K–8 includes courses in seven subjects—language arts/English, history, math, science, music, art, and world languages—plus adaptive K–5 math courses and **MARK¹²** adaptive reading remediation courses. With more than 700 engaging lessons in each subject, students can dive deeply into problem areas or areas of interest. With this in-depth curriculum, combined with the individualized K¹² approach, children will find the pace and learning style that works best for them.

Online Courses Designed for Online Delivery

With more than 2.5 million courses delivered to date, K¹² offers more online courses than any other K–12 curriculum provider—and it's in large part because K¹² sets the highest standards of course quality.

K¹² never just scans a textbook and calls it an online course. K¹² courses are designed and developed for online delivery from the outset. The K¹² team of curriculum experts and course designers starts from scratch, thoroughly scoping out the learning objectives for each course. They map out a strategy for how to best accomplish those objectives using online text, graphics, charts, illustrations, interactive demonstrations, offline reading materials or activities, and interactive, teacher-led online sessions. Then, usability testing is conducted to make sure students can easily navigate through the lessons and master the intended learning objectives.

K¹² knows that the combination of rich, engaging content with interesting, interactive demonstrations and activities helps students absorb and retain information. The use of assessments further allows students to demonstrate progress toward mastery of learning objectives.

Adaptive Learning Technology in Reading and Math

MARK¹² Reading (Adaptive Remediation): Mastery. Acceleration. Remediation. **K¹². MARK¹²** Reading is a three-stage adaptive course for students in grades 3–5 who are reading two or more grades below grade level. The course gives students the opportunity to master missed concepts in a way that accelerates them through the remediation process. Students work independently and with their Learning Coach to develop oral reading, comprehension, phonics, spelling, and fluency skills. They also practice grammar, usage, mechanics, and composition. The engaging course features compelling graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to help guide their students toward success.

Math⁺ for Grades K–5: These exciting, research-based adaptive courses focus on computational fluency, conceptual understanding, and problem solving. The engaging approach features colorful graphics and animation, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success.

New for 2011! New Games and Mobile Apps

Enhancements to the K¹² curriculum this year include a variety of innovative games—from "xGerms Computational Fluency," which features colorful germ characters and a fun laboratory theme, to "Spell-n-Stack," an arcade-style spelling drill game.

K¹² has also launched new mobile applications for the iPhone and iPod Touch, available as free downloads on iTunes. These apps include "K¹² Money," which lets students solve math problems using currency, and "K¹² Timed Reading Practice," which helps them calculate their reading pace in words per minute.

K–8 COURSE LIST

Course listings may vary per school.

A =adaptive learning technology
N =new and improved content

English / Language Arts

- Language Arts K (Blue)
- Language Arts 1 (Green)
- Language Arts 2 (Orange)
- Language Arts 3 (Purple)
- Language Arts 4
- Language Arts 5
- Intermediate English A
- Intermediate English B
- Literary Analysis and Composition
- MARK¹² Reading I (Remediation) **A**
- MARK¹² Reading II (Remediation) **A**
- MARK¹² Reading III (Remediation) **A**

Math

- Math⁺ K (Blue) **A**
- Math⁺ 1 (Green) **A**
- Math⁺ 2 (Orange) **A**
- Math⁺ 3 (Purple) **A**
- Math⁺ 4 (Red) **A**
- Math⁺ 5 (Yellow) **A**
- Fundamentals of Geometry and Algebra **N**
- Pre-Algebra
- Algebra

Science

- Science K
- Science 1
- Science 2
- Science 3
- Science 4
- Science 5
- Earth Science
- Life Science
- Physical Science
- Advanced Earth Science
- Advanced Life Science
- Advanced Physical Science

History / Social Sciences

- History K
- History 1 **N**
- History 2 **N**
- History 3 **N**
- History 4 **N**
- American History A **N**
- American History B **N**
- Intermediate World History A
- Intermediate World History B

World Languages

- 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

Art

- Art K
- Art 1
- Art 2
- Art 3
- Art 4
- Intermediate Art/American A
- Intermediate Art/American B
- Intermediate Art/World A
- Intermediate Art/World B

Music

- Preparatory Music
- Beginning 1 Music
- Beginning 2 Music
- Introduction to Music
- Intermediate 1 Music
- Intermediate 2 Music
- Intermediate 3 Music
- Exploring Music
- Music Concepts A
- Music Concepts B
- Music Appreciation

Orientation

- Introduction to Online Learning Grades K–2
- Introduction to Online Learning Grades 3–5
- Introduction to Online Learning Grades 6–8



English / Language Arts

Language Arts K (Blue)

Language Arts K (Blue) is part of our acclaimed K¹² PhonicsWorks program. This course prepares students to become independent readers through systematic, multi-sensory instruction in phonemic awareness and letter/sound knowledge, using a kit of magnetized letter tiles and a variety of games and activities. *Handwriting without Tears* provides gentle instruction to help students print letters correctly. Plenty of read-aloud literature kindles the imagination while building comprehension and vocabulary. The emphasis is on classic literature—fairy tales, fables, folktales, and poems.

Curriculum Items

- Beginning Phonics flash cards
- Slate chalkboard
- Printed alphabet desk strips
- Wide double-lined paper
- PhonicsWorks™ Instructional Video™
- PhonicsWorks™ Readers, Vols. 1–9
- PhonicsWorks™ Basic Tile Kit
- PhonicsWorks™ Student Guide – Semesters 1 & 2
- PhonicsWorks™ Teacher Guide – Semesters 1 & 2
- Beginning Phonics Flash cards
- *Handwriting without Tears: Letters and Numbers for Me*
- Junior Great Books, Dragon Series, Vols. 1–3
- Junior Great Books, Sailing Ship Series, Vols. 1–3
- *The Random House Book of Fairy Tales*, adapted by Amy Ehrlich
- *Rhyme Time* by Tomie dePaola
- *The Rooster Crows—A Book of American Rhymes and Jingles* by Maud and Miska Petersham
- *A Chair for My Mother* by Vera Williams
- *A Story* by Gail Haley
- *Caps for Sale* by Esphyr Slobodkina
- *Make Way for Ducklings* by Robert McCloskey
- *Mike Mulligan and His Steam Shovel* by Virginia Lee Burton
- *Millions of Cats* by Wanda Gag
- *The Complete Adventures of Peter Rabbit* by Beatrix Potter, or these separate titles: *The Tale of Peter Rabbit*, *The Tale of Benjamin Bunny*, and *The Tale of the Flopsy Bunnies*
- *The Ox-Cart Man* by Donald Hall
- *The Runaway Bunny* by Margaret Wise Brown
- *The Snowy Day* by Ezra Jack Keats
- *The Velveteen Rabbit* by Margery Williams
- *Tikki Tikki Tembo* by Arlene Mosel

Language Arts 1 (Green)

In Language Arts 1 (Green), students will get structured lessons on reading skills, language skills, and literature to help develop comprehension, build vocabulary, and promote a lifelong interest in reading. The advanced K¹² PhonicsWorks program helps students become confident, independent readers. *Handwriting without Tears* focuses on careful practice at a pace that matches each student's development of fine motor skills. Literature lessons focus on classic folktales, fairy tales, fables, and poetry. Read-aloud and guided reading lessons help students apply and extend the skills introduced in PhonicsWorks.

Curriculum Items

- PhonicsWorks™ Readers, Vols. 10–20
- PhonicsWorks™ Readers, Vols. 21–30
- PhonicsWorks™ Video
- PhonicsWorks™ Basic Tile Kit
- PhonicsWorks™ Advanced Tile Kit
- PhonicsWorks™ Student Guide – Semesters 1 & 2
- PhonicsWorks™ Teacher Guide – Semesters 1 & 2
- Beginning Phonics Flash cards
- Advanced Phonics Flash cards
- *Handwriting without Tears: My Printing Book*
- Printing Teacher's Guide
- Printed alphabet desk strips
- Wide double-lined paper
- Slate chalkboard
- EPS Primary Analogies, Book 1
- Junior Great Books, Sun Series, Vols. 1–3
- Junior Great Books, Pegasus Series, Vols. 1–3
- Listen My Children: Poems for First Graders
- Classics for Young Readers, Vol. 1
- *Ready ... Set ... Read! The Beginning Reader's Treasury*, compiled by Joanna Cole and Stephanie Calmenson
- *Weather*, a book of poems selected by Lee Bennett Hopkins
- *A Picture for Harold's Room* by Crockett Johnson
- *Amelia Bedelia* by Peggy Parish
- *And I Mean It, Stanley* by Crosby Bonsall
- *Bedtime for Frances* by Russell Hoban
- *Danny and the Dinosaur* by Syd Hoff
- *Frog and Toad Are Friends* by Arnold Lobel
- *Harry and the Lady Next Door* by Gene Zion
- *Little Bear* by Else Holmelund Minarik
- *Mrs. Piggle-Wiggle* by Betty MacDonald
- *No Fighting, No Biting* by Else Holmelund Minarik
- *Owl at Home* by Arnold Lobel
- *Sylvester and the Magic Pebble* by William Steig

- *Tales of Amanda Pig* by Jean Van Leeuwen
- *The First Thanksgiving* by Linda Hayward
- *The Legend of the Bluebonnet* by Tomie dePaola
- *Who Will Be My Friends?* by Syd Hoff
- *Winnie-the-Pooh* by A. A. Milne

Language Arts 2 (Orange)

Language Arts 2 (Orange) provides a comprehensive sequence of lessons introducing students to the writing process, grammar, vocabulary, and handwriting. Guided reading lessons on traditional stories and modern classics, with an emphasis on works that embody exemplary virtues, are designed to develop comprehension and build vocabulary. Students practice writing as a process: pre-writing, writing a draft, revising, proofreading, and publishing (sharing finished work with others). Students learn basic rules of usage (such as “may” vs. “can,” or “lie” vs. “lay”); synonyms, antonyms, and homonyms; parts of speech; punctuation; and more.

Curriculum Items

- Printing Teacher's Guide
- *Handwriting without Tears: Cursive Handwriting*
- *Handwriting without Tears: Printing Power*
- White dry-erase board
- Regular double-lined paper
- Cursive alphabet desk strips
- Printed alphabet desk strips
- EPS Primary Analogies, Book 2
- EPS Reading Comprehension, Book A
- EPS Wordly Wise 3000, Book A
- *K¹² Classics for Young Readers*, Vol. 2
- *Listen My Children: Poems for 2nd Graders* (Core Knowledge Foundation)
- *Surprises*, a book of poems selected by Lee Bennett Hopkins
- *A Weed Is a Flower* by Aliki
- *Buddy: the First Seeing Eye Dog* by Eva Moore
- *Chang's Paper Pony* by Eleanor Coerr
- *Clara and the Bookwagon* by Nancy Levinson
- *Crow Boy* by Taro Yashima
- *George the Drummer Boy* by Nathaniel Benchley
- *Knights of the Round Table* (“Bullseye Step into Classics” edition) by Gwen Gross
- *Long Way to a New Land* by Joan Sandin
- *Peter Pan* (“Bullseye Step into Classics” edition) by J.M. Barrie, retold by Cathy East Dubowski

- *Robin Hood* (“Bullseye Step into Classics” edition) by Annie Ingle
- *Sam, Bang & Moonshine* by Evaline Ness
- *Sam the Minuteman* by Nathaniel Benchley
- *The Bears on Hemlock Mountain* by Alice Dalgliesh
- *The Josefina Story Quilt* by Eleanor Coerr
- *The Long Way Westward* by Joan Sandin
- *Tye May and the Magic Brush* by Molly Garrett Bang
- *Wagon Wheels* by Barbara Brenner

Language Arts 3 (Purple)

In Language Arts 3 (Purple), reading lessons are designed to develop comprehension, build vocabulary, and help students become more independent readers. Students practice writing as a process as they write a narrative, a report, letters, and poetry. Students learn about sentence structure, parts of speech, and research skills. Through weekly word lists, students learn relationships between sounds and spellings. Students read works of nonfiction, as well as four novels. Students learn and use techniques for effective oral presentations, and develop test-taking and critical thinking skills.

Curriculum Items

- Cursive Teacher's Guide
- White dry-erase board
- *Classics for Young Readers*, Vol. 3A
- *Classics for Young Readers*, Vol. 3B
- *The Glory of Greece* by Beth Zemble and John Holdren
- *George Washington—Soldier, Hero, President* by Justine and Ron Fontes
- *The Declaration of Independence* by Patricia Ryon Quiri
- Cursive Handwriting
- Cursive Success
- *Exercises in English*, Level C
- *Primary Analogies*, Book 3
- *Wordly Wise 3000*, Book B
- *Writing in Action*, Vol. A
- *Writing in Action*, Vol. B
- *Test Ready Plus: Reading*
- *Test Ready: Reading Longer Passages*
- *Test Ready Plus: Language Arts*, Book 3



Language Arts 4

This is a comprehensive course covering composition, vocabulary, grammar, usage, and mechanics, including sentence analysis and diagramming. Structured lessons on spelling enable students to recognize base words and roots in related words. Lessons are designed to develop comprehension, build vocabulary, and help students become more independent readers. The emphasis is on classic literature. Students read works of nonfiction, as well as four novels selected from a long list of classics. A test preparation program prepares students for standardized tests.

Curriculum Items

- *Classics for Young Readers*, Vol. 4A
- *Classics for Young Readers*, Vol. 4B
- *Writing in Action*, Vol. C
- *Writing in Action*, Vol. D
- *Exercises in English*, Millennium ed. (Level D)
- *New Vocabulary Workshop Workbook* (Orange)
- *Test Ready Plus: Language Arts*, Book 4
- *Test Ready Plus: Reading*, Book 4
- *Robinson Crusoe* by Daniel Defoe (K¹² edition, retold for young readers)
- *Feathers, Flippers, and Fur*
- *If You Lived in the Days of the Knights* by Ann McGovern
- *Nature's Way*
- *Pollyanna* by Eleanor Porter (K¹² edition, abridged for young readers)
- Keyboarding CD
- Word processing book
- White dry-erase board

Language Arts 5

This course provides structured lessons on composition, vocabulary, grammar, usage, and mechanics. Through emphasis on spelling, students learn relationships between sounds and spellings in words and affixes. Lessons are designed to develop comprehension, build vocabulary, and help students become more independent and thoughtful readers. Students practice writing as they write a memoir, an editorial, a research paper, a business letter, and more. Students learn about parts of speech, punctuation, and research skills. Students read works of nonfiction, as well as four novels selected from a long list of classics.

Curriculum Items

- *Classics for Young Readers*, Vol. 5A
- *Classics for Young Readers*, Vol. 5B
- *American Lives & Legends*
- *Exercises in English*, Millennium ed. (Level E)
- *Vocabulary Workshop* (Blue)
- *Test Ready: Language Arts*, Book 5
- *Test Ready: Reading Longer Passages*, Book 5
- *Paddle-to-the-Sea* by Holling Clancy Holling
- *American Tall Tales* by Adrien Stoutenburg
- *Bard of Avon: The Story of William Shakespeare* by Diane Stanley and Peter Vennema
- *Curious Creatures*
- *Writing in Action*, Vol. 5E
- *Writing in Action*, Vol. 5F
- *I Didn't Know That!*
- *Don Quixote* by Miguel de Cervantes (K¹² edition, retold for young readers)
- Keyboarding CD
- Word processing book
- White dry-erase board

Intermediate English A

This course is designed to give students the essential building blocks for expressing their own ideas in standard (or formal) English. After an opening focus on paragraph writing, students write a variety of compositions in genres they will encounter throughout their academic careers. The Grammar, Usage, and Mechanics program offers practice in sentence analysis, sentence structure, and proper punctuation. Intermediate English A sharpens reading comprehension skills, engages readers in literary analysis, and offers a variety of literature to suit diverse tastes.

Curriculum Items

- *Myths of Ancient Greece and Rome* (an anthology from K¹²)
- *The Secret Garden* by Francis Hodgson Burnett
- *The Adventures of Tom Sawyer* by Mark Twain
- *Animal Adventures* (nonfiction collection)
- *Believing Our Eyes and Ears* (nonfiction collection)
- *Classics for Young Readers*, Vol. 6 CD
- *Classics for Young Readers*, Vol. 6: An Audio Companion
- *Twelfth Night* (Shakespeare for Young Readers adaptation)
- Keyboarding CD
- Word processing book
- *BK English Language Handbook, Grade 6* Barrett Kendall Publishing
- Vocabulary

Novels

Students read any three novels of their choice from a selection of award-winning works by renowned authors, from a variety of genres: fantasy, science fiction, historical fiction, realistic fiction, and mystery. (Novels are not part of the standard materials, but are readily available at the library or for purchase in bookstores or online.)

Intermediate English B

This course continues the development of written and oral communication skills, designed to give students the essential building blocks for expressing their own ideas in standard (or formal) English. Students continue to practice writing essays in various genres. They analyze the conventional five-paragraph essay structure, and then move on to learn the form and structure of a variety of essays they will encounter in their academic careers. The Grammar, Usage, and Mechanics program addresses many grammatical topics. Intermediate English B sharpens reading comprehension skills, engages readers in literary analysis, and offers a variety of literature to suit diverse tastes.

Curriculum Items

- *Classics for Young Readers*, Vol. 7
- *Classics for Young Readers*, Vol. 7: An Audio Companion
- *BK English Language Handbook, Grade 7*, Barrett Kendall Publishing
- *Vocabulary from Classical Roots, Book B*, Educator's Publishing Service
- *The Iliad and The Odyssey: Stories from Homer's Epics* (an anthology from K¹²)
- *The Hobbit* by J.R.R. Tolkien
- *Treasure Island* by Robert Louis Stevenson
- *City* by David Macaulay
- *Julius Caesar* (Shakespeare for Young Readers adaptation)
- Keyboarding CD
- Word processing book

Novels

This program allows students to read any three novels of their choice from a selection of award-winning works by renowned authors, from a variety of genres: fantasy, science fiction, historical fiction, realistic fiction, and mystery. (Novels are not part of the standard materials, but are readily available at the library or for purchase in bookstores or online.)

Literary Analysis and Composition

Throughout this course, students will engage in literary analysis of short stories, poetry, drama, novels, and nonfiction. The course focuses on the interpretation of literary works and the development of oral and written communication skills in standard (formal) English. The program is organized in four strands: Literature; Composition; Grammar, Usage, and Mechanics; and Vocabulary. In the writing program, students continue to sharpen their composition skills through writing essays in various genres. In the literature program, students read "what's between the lines" to interpret literature, and they go beyond the book to discover how the culture in which a work of literature was created contributes to the themes and ideas it conveys.

Readings include:

- **Novels:** Students choose four out of seven offered titles, including: *Jane Eyre* by Charlotte Brontë, *Great Expectations* by Charles Dickens, *Animal Farm* by George Orwell, and *To Kill a Mockingbird* by Harper Lee
- **Drama:** *Romeo and Juliet* by William Shakespeare, *Antigone* by Sophocles
- **Short stories** by Langston Hughes, Shirley Jackson, Jack London, Guy de Maupassant, Edgar Allan Poe, James Thurber, and more
- **Poetry** by W. H. Auden, Gwendolyn Brooks, e. e. cummings, Emily Dickinson, Robert Frost, Gerard Manley Hopkins, James Weldon Johnson, John Keats, Henry Wadsworth Longfellow, Pablo Neruda, Octavio Paz, William Shakespeare, Dylan Thomas, William Butler Yeats, and more
- **Autobiography:** Selections by Mark Twain, Ernesto Galarza, and Maya Angelou; *Narrative of the Life of Frederick Douglass* or *Anne Frank: Diary of a Young Girl*

Curriculum Items

- *Classics for Young Readers*, Vol. 8
- *Classics for Young Readers*, Vol. 8: An Audio Companion
- *BK English Language Handbook, Level 1*, Barrett Kendall Publishing
- *Vocabulary from Classical Roots, Book C*, Educators' Publishing Service
- *Narrative of the Life of Frederick Douglass* by Frederick Douglass
- *Anne Frank: Diary of a Young Girl* by Anne Frank
- *Romeo and Juliet* (new version)



MARK¹² Reading I (Adaptive Remediation)

Mastery. Acceleration. Remediation. K¹². MARK¹² courses are for students in the third to fifth grades who are struggling readers. **MARK¹² Reading I** gives students who are reading several grades below grade level the opportunity to master missed concepts in a way that accelerates them through the remediation process by incorporating adaptivity and online assessments. Students work independently and with a Learning Coach to develop oral reading, comprehension, phonics, spelling, and fluency skills. They also practice grammar, usage, mechanics, and composition. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success.

Curriculum Items

- *MARK¹² Reading Lesson Guide*, Vol. 1
- *MARK¹² Reading Activity Book*, Vol. 1
- *MARK¹² Classics for Young Readers*, Vol. 1
- *Just Write!* Levels 1 and 2
- Online tile kit
- Pencils
- Index cards
- Markers

MARK¹² Reading II (Adaptive Remediation)

Mastery. Acceleration. Remediation. K¹². MARK¹² courses are for students in the third to fifth grades who are struggling readers. **MARK¹² Reading II** gives students who are reading two or more grades below grade level the opportunity to master missed concepts in a way that accelerates them through the remediation process by incorporating adaptivity and online assessments. Students work independently and with a Learning Coach to develop oral reading, comprehension, phonics, spelling, and fluency skills. They also practice grammar, usage, mechanics, and composition. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success.

Curriculum Items

- *MARK¹² Reading Lesson Guide*, Vol. 2
- *MARK¹² Reading Activity Book*, Vol. 2
- *MARK¹² Classics for Young Readers*, Vol. 2
- *Writing in Action*, Level A

- Online tile kit
- Pencils
- Index cards
- Markers

MARK¹² Reading III (Adaptive Remediation)

Mastery. Acceleration. Remediation. K¹². MARK¹² courses are for students in the third to fifth grades who are struggling readers. **MARK¹² Reading III** gives students who are reading approximately two grades below grade level the opportunity to master missed concepts in a way that accelerates them through the remediation process by incorporating adaptivity and online assessments. Students work independently and with a Learning Coach to develop oral reading, comprehension, phonics, spelling, and fluency skills. They also practice grammar, usage, mechanics, and composition. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success.

Curriculum Items

- *MARK¹² Reading Lesson Guide*, Vol. 3
- *MARK¹² Reading Activity Book*, Vol. 3
- *MARK¹² Classics for Young Readers*, Vol. 3
- *Writing in Action*, Level B
- Online tile kit
- Pencils
- Index cards
- Markers

Math

Math⁺ K (Blue)

This research-based course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course introduces kindergarten students to numbers through 30. Students learn through reading, writing, counting, comparing, ordering, adding, and subtracting. They experience problem solving and encounter early concepts in place value, time, length,

weight, and capacity. They learn to gather and display simple data. Students also study two- and three-dimensional figures—they identify, sort, study patterns, and relate mathematical figures to objects within their environment.

Curriculum Items

- Activity book
- Custom K¹² block set
- Lesson guide book
- Items easily found in a typical home

Math⁺ 1 (Green)

This research-based course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course for students in grade 1 extends their work with place value to numbers through 100, emphasizing fluency of addition and subtraction facts, and focusing on number sentences and problem solving with addition and subtraction. Students begin work with money, telling time, ordering events, and measuring length, weight, and capacity with non-standard units. Students identify attributes of geometric figures and also extend their work with patterns and data, including representing and comparing data.

Curriculum Items

- Activity book
- Custom K¹² block set
- Lesson guide book
- Base-10 blocks set
- Place-value mat
- Items easily found in a typical home

Math⁺ 2 (Orange)

This research-based course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course for students in grade 2 focuses primarily on number concepts, place value, and addition and subtraction of numbers through 1,000. Special emphasis is given to problem solving, inverse operations, properties of operations, decomposition of numbers, and mental

math. Students study money, time, and measurement; geometric figures; analyzing and displaying data with new representations; and determining the range and mode of data. Early concepts about multiplication, division, and fractions are introduced.

Curriculum Items

- Activity book
- Custom K¹² block set
- Lesson guide book
- Base-10 blocks set
- Place-value mat
- Items easily found in a typical home

Math⁺ 3 (Purple)

This research-based course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course for students in grade 3 provides a quick overview of whole number addition and subtraction, but has a greater focus on whole number multiplication and division, encompassing early algebraic thinking. Decimals are studied in relationship to place value and money, and fractions are addressed through multiple representations and probability. Students are introduced to specific methods and strategies to help them become more effective problem solvers. Geometry and measurement are addressed through the study of two- and three-dimensional shapes, early work with perimeter, area, and volume, and applying measuring techniques to time, length, capacity, and weight.

Curriculum Items

- Textbook
- Custom K¹² block set
- Lesson guide book
- Base-10 blocks set
- Place-value mat
- Items easily found in a typical home

Math⁺ 4 (Red)

This research-based course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more



support for Learning Coaches to guide their students to success. This course for students in grade 4 moves into applications and properties of operations. Students work with simple fraction and decimal operations, which are applied in the study of measurement, probability, and data, and mathematical reasoning techniques. Students begin the study of equivalencies between fractions and decimals on the number line and early work with integers. Algebraic thinking is developed as students work with variables, coordinate graphing, and formulas in problems involving perimeter, area, and rate. Geometry is extended into greater classification of shapes and work with lines, angles, and rotations.

Curriculum Items

- Textbook
- Color tiles set
- Lesson guide book
- Protractor
- Items easily found in a typical home

Math+ 5 (Yellow)

This research-based course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course for students in grade 5 investigates whole numbers through practical situations in rounding, exponents and powers, and elementary number theory. Students begin addition and subtraction of integers and apply all of their work with rational numbers to problem-solving experiences. The study of algebra includes work with variables, solving equations and inequalities, using formulas within geometry and measurement, and work within the coordinate system. The study of geometry encompasses properties of lines, angles, two- and three-dimensional figures, and formal constructions and transformations.

Curriculum Items

- Textbook
- Lesson guide book
- Protractor
- Items easily found in a typical home

Fundamentals of Geometry and Algebra

Students enhance computational and problem-solving skills while learning topics in algebra, geometry, probability, and statistics. They solve expressions and equations in the context of perimeter, area, and volume problems while further developing computational skills with fractions and decimals. The study of plane and solid figures includes construction and transformations of figures. Also in the context of problem solving, students add, subtract, multiply, and divide positive and negative integers and solve problems involving ratios, proportions, and percents, including simple and compound interest, rates, discount, tax, and tip problems. They learn multiple representations for communicating information, such as graphs on the coordinate plane, statistical data and displays, as well as the results of probability and sampling experiments. They investigate patterns involving addition, multiplication, and exponents, and apply number theory and computation to mathematical puzzles.

Curriculum Items

- *Fundamentals of Geometry and Algebra: A Reference Guide and Problem Sets*
- *Fundamentals of Geometry and Algebra: Student Guide*
- *Fundamentals of Geometry and Algebra: Learning Coach Guide*

Pre-Algebra

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. Students who take this course are expected to have mastered the skills and concepts of the K¹² Fundamentals of Geometry and Algebra course (or equivalent).

Curriculum Items

- *Pre-Algebra: Reference Guide and Problem Sets*

Algebra

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. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions, exponents, and radicals; work with integers, rational numbers, and irrational numbers; and graph and solve equations, inequalities, and systems of equations. They learn to determine whether a relation is a function and how to describe its domain and range; use factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulate and evaluate valid mathematical arguments using various types of reasoning; and translate word problems into mathematical equations and then use the equations to solve the original problems. Students who take Algebra are expected to have mastered the skills and concepts presented in the K¹² Pre-Algebra course (or equivalent).

Curriculum Items

- *Algebra I: Reference Guide and Problem Sets*

Science

Science K

Kindergarten 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 will also explore topics such as measurement (size, height, length, weight, capacity, and temperature), matter (solid, liquid, and gas), the seasonal cycle, our Earth (geography, taking care of the Earth), motion (pushes and pulls, magnets), and astronomy (the Earth, Sun, Moon, and stars; exploring space; astronauts Neil Armstrong and Sally Ride).

Curriculum Items

- Plastic pipette
- Safety glasses
- Basic thermometer
- Bar magnets (pair)
- Magnifying glass
- Mirror
- Inflatable globe

- *Animals in Winter* by Henrietta Bancroft and Richard G. Van Gelder
- *My Five Senses* by Alike
- *The Big Dipper* by Franklyn Branley
- *What's Alive?* by Kathleen Weidner Zoehfeld

Science 1

Students learn to perform experiments, record observations, and understand how scientists see the natural world. They germinate seeds to observe plant growth, and make a weather vane. Students will also explore topics such as matter (states of matter, mixtures, and solutions), weather (cloud formation, the water cycle), animal classification and adaptation (insects, amphibians, birds, and mammals), habitats (forests, deserts, rain forests), the oceans (waves and currents, coasts, coral reefs), light (how it travels, reflections, and inventor Thomas Edison), plants (germination, functions of roots, stems), and the human body.

Curriculum Items

- Bean seeds
- Grass seeds
- Directional compass
- Graduated cylinder, 100 mL
- Basic thermometer
- Plastic pipette
- Safety goggles
- Magnifying glass
- Bar magnets (pair)
- Mirror
- Feathers
- Centimeter gram cubes
- Primary balance
- Iron fillings
- Styrofoam ball (2" diameter)
- Mylar paper, silver
- Inflatable globe
- *An Octopus Is Amazing* by Patricia Lauber
- *Down Comes the Rain* by Franklyn Branley
- *Flash, Crash, Rumble, and Roll* by Franklyn Branley
- *What Color Is Camouflage?* by Carolyn Otto
- *What Is the World Made Of?* by Kathleen Weidner Zoehfeld

Science 2

Students perform experiments to develop skills of observation and analysis and learn how scientists understand our world. They demonstrate how pulleys



lift heavy objects, make a temporary magnet and test its strength, and analyze the parts of a flower. Students will explore topics such as the metric system (liters and kilograms), 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), and geology (layers of the earth, kinds of rocks, weathering).

Curriculum Items

- Bean seeds
- Grass seeds
- Directional compass
- Graduated cylinder, 100 mL
- Primary rock and mineral kit
- Basic thermometer
- Plastic pipette
- Safety goggles
- Magnifying glass
- Centimeter gram cubes
- Primary balance
- Iron filings
- Bar magnets
- Latch magnet
- Ring magnet
- Horseshoe magnet
- 10 Newton spring scale
- Pulley
- Unmarked thermometer
- *Fossils Tell of Long Ago* by Aliko
- *Let's Go Rock Collecting* by Roma Gans
- *What Happens to a Hamburger?* by Paul Showers
- *What Makes a Magnet?* by Franklyn Branley
- *Why Frogs Are Wet* by Judy Hawes

Science 3

Students learn to observe and analyze through hands-on experiments and gain further insight into how scientists understand our world. They observe and chart the phases of the moon, determine the properties of insulators and conductors, and make a three-dimensional model of a bone. Students will explore topics such as weather (air pressure, precipitation, clouds, humidity, fronts, and forecasting), vertebrates (features of fish, amphibians, reptiles, birds, and mammals), ecosystems (climate zones, tundra, forests, desert, grasslands, freshwater, and marine ecosystems), matter (phase changes, volume, mass, atoms), the human body, energy, light, and astronomy.

Curriculum Items

- *A Walk in the Boreal Forest: Biomes of North America Series*
- *A Walk in the Desert: Biomes of North America Series*
- *A Walk in the Rainforest: Biomes of North America Series*
- *A Walk in the Tundra: Biomes of North America Series*
- *A Walk in the Deciduous Forest: Biomes of North America Series*
- *A Walk in the Prairie: Biomes of North America Series*
- *Sunshine Makes the Seasons* by Franklyn Branley
- *The Moon Seems to Change* by Franklyn Branley
- Graduated cylinder, 100 mL
- Directional compass
- Safety goggles
- Magnifying glass
- Advanced thermometer
- Clay (four colors)
- Modeling clay
- Directional compass

Science 4

Students develop scientific reasoning and perform hands-on experiments in Earth, life, and physical sciences. They construct an electromagnet, identify minerals according to their properties, use chromatography to separate liquids, and assemble food webs. Students will explore topics such as the interdependence of life; plant and animal interactions; chemistry; forces and fluids; the human body; the nervous system; invertebrates; electricity and magnetism; rocks and minerals; weathering, erosion, and deposition; the fossil record and the history of life; and the Paleozoic, Mesozoic, and Cenozoic eras.

Curriculum Items

- Bar magnets (pair)
- Safety goggles
- Graduated cylinder, 100 mL
- Lamp bulb receptacles
- Lamp bulbs
- Magnifying glass
- Intermediate rock and mineral kit
- Advanced thermometer
- Invertebrates
- *The History of Life Through Fossils* (Lickle Publishing)
- Clay (four colors)
- Bare copper wire
- Gravel
- Adding machine paper
- Pipe cleaners
- Sand

- Seashell
- White tile
- Plastic aquarium tubing

Science 5

Students perform experiments, develop scientific reasoning, and recognize science in the world around them. They build a model of a watershed, test how cell membranes function, track a hurricane, and analyze the effects of gravity. Students will explore topics such as water resources (aquifers, watersheds, and wetlands), the oceans (currents, waves, tides, the ocean floor), Earth's atmosphere (weather patterns, maps, forecasts, fronts), motion and forces (pushes or pulls, position and speed, gravity), chemistry (structure of atoms, elements and compounds), cells and cell processes, taxonomy of plants and animals, and animal physiology.

Curriculum Items

- Alum
- Test tube
- Safety goggles
- Graduated cylinder, 100 mL
- Litmus paper
- 30 Newton spring scale
- Advanced thermometer
- *How Bodies Work*
- *Classifying Life*
- Marble in bag
- Clay (four colors)
- Potting soil
- Coarse gravel
- Pea gravel
- Coarse sand
- Fine sand
- Plastic box
- Tagboard

Earth Science

The Earth Science curriculum builds on the natural curiosity of students. By connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, the curriculum gives students an opportunity to relate to their everyday world. Students will explore topics such as the 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; the oceans and the atmosphere; and the solar system and the universe.

Curriculum Items

- Wall map set (science/history)
- Graduated cylinder, 100 mL
- Graduated cylinder, 500 mL
- Pipe cleaners
- Advanced rock and mineral kit
- Diffraction grating film
- Stopwatch
- Grape seeds
- Latch magnet
- Safety glasses
- Magnifying glass
- Centimeter gram cubes
- Clay (four colors)
- Fine sand
- White tile
- Advanced thermometer

Advanced Earth Science

Advanced Earth Science is a rigorous middle school course. It was conceived for the student who loves geology or meteorology and is ready for an extra challenge. Students tackle such topics as rocks and minerals, plate tectonics and the drifting of continents, volcanoes, earthquakes, oceanography, weather, and astronomy. Practical, hands-on lesson activities help students discover how scientists investigate the living world. Students perform laboratory activities and a full unit investigation to learn about the application of scientific methods.

Curriculum Items

- Wall map set (science/history)
- Graduated cylinder, 250 mL
- Pipe cleaners
- Advanced rock and mineral kit
- Diffraction grating film
- Stopwatch
- Latch magnet
- Safety glasses
- Magnifying glass
- Centimeter gram cubes
- Clay (four colors)
- Fine sand



- White tile
- Advanced thermometer

Life Science

The K¹² Life Science program invites students to investigate the world of living things—at levels both large and small—by reading, observing, and experimenting with aspects of life on Earth. Students explore an amazing variety of organisms, the complex workings of the cell, the relationship between living things and their environments, and discoveries in the world of modern genetics. Practical, hands-on lesson activities help students discover how scientists investigate the living world. Students perform laboratory activities and a full unit investigation to learn about the application of scientific methods.

Curriculum Items

- Graduated cylinder, 100 mL
- Compound microscope
- Radish seeds
- Microscope slides (set of 12)
- Slide cover slips (set of 12)
- Transparencies (set of 12)
- Petri dishes
- Agar vials
- Rhizobium bacteria
- Green bean bush seeds
- Blue fescue grass seeds
- Safety glasses
- Magnifying glass
- Advanced thermometer

Advanced Life Science

Advanced Life Science is a rigorous middle school course, conceived for the student who loves biology and is ready for an extra challenge. Students tackle such topics as ecology, microorganisms, animals, plants, cells, and genetics. They are also introduced to gene expression and other aspects of cell biology. Practical, hands-on lesson activities help students discover how scientists investigate the living world. Students perform laboratory activities and a full unit investigation to learn about the application of scientific methods.

Curriculum Items

- Graduated cylinder, 100 mL
- Compound microscope

- Radish seeds
- Microscope slides (set of 12)
- Slide cover slips (set of 12)
- Transparencies (set of 12)
- Petri dishes
- Agar vials
- Rhizobium bacteria
- Green bean bush seeds
- Blue fescue grass seeds
- Safety glasses
- Magnifying glass
- Advanced thermometer

NOTE: List is subject to change.

Physical Science

The K¹² Physical Science program introduces students to many aspects of the physical world, focusing first on chemistry and then on physics. The course provides an overview of the physical world and gives students tools and concepts to think clearly about atoms, molecules, chemical reactions, motion, electricity, light, and other aspects of chemistry and physics. Among other subjects, students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.

Curriculum Items

- Graduated cylinder, 250 mL
- Stopwatch
- 10 Newton spring scale
- Digital scale
- Double pulley
- Lye
- Metallic rod
- Metallic spring
- Muriatic acid
- Phenolphthalein
- Protective gloves (two pairs)
- D cell battery holder
- Cork stoppers
- Lead weight (500 g)
- Enamel-coated, heavy-gauge copper wire
- Non-insulated copper wire
- Insulated copper wire strips (set of five)

Advanced Physical Science

Advanced Physical Science is a rigorous middle school course conceived for the enthusiastic science student who is ready for an extra challenge. Students learn about the physical world and tackle topics such as matter, energy, atoms, motion, thermodynamics, and other aspects of chemistry and physics. Practical, hands-on lesson activities help students discover how scientists investigate the living world. Students perform laboratory activities and a full unit investigation to learn about the application of scientific methods.

Curriculum Items

- Graduated cylinder, 250 mL
- Stopwatch
- 10 Newton spring scale
- Digital scale
- Double pulley
- Lye
- Metallic rod
- Metallic spring
- Muriatic acid
- Phenolphthalein
- Protective gloves (two pairs)
- D cell battery holder
- Cork stoppers
- Lead weight (500 g)
- Enamel coated heavy gauge copper wire
- Non-insulated copper wire
- Insulated copper wire strips (set of five)
- Directional compass
- Bar magnet (set of two)
- Plastic pipette
- Safety glasses
- Iron filings
- Safety glasses
- Iron filings
- Lamp bulbs (set of four)
- Lamp bulb receptacle (set of two)
- Advanced thermometer

NOTE: List is subject to change.

History / Social Sciences

History K

This beginning course teaches the basics of world geography through a storybook tour of the seven continents, and provides an introduction to American history and civics through a series of biographies of famous Americans. Supplementary lessons introduce students to symbols that represent American freedom; the laws, rights, and responsibilities of citizens; the cultures and traditions of the United States; and basic economic concepts.

Curriculum Items

- U.S./world map (K–2)
- Inflatable globe (K–2)
- *Let's Journey: Around the World* CD
- *Bringing the Rain to Kapiti Plain* by Verna Aardema
- *Follow the Drinking Gourd* by Jeannette Winter
- *Madeline* by Ludwig Bemelmans
- *Possum Magic* by Mem Fox
- *Rechenka's Eggs* by Patricia Polacco
- *The Great Kapok Tree* by Lynne Cherry
- *The Story of Ferdinand* by Munro Leaf and Robert Lawson
- *The Story About Ping* by Marjorie Flack and Kurt Wiese
- *When Clay Sings* by Byrd Baylor

History 1

History 1 kicks off a program that, spanning the elementary grades, provides an overview of world geography and history from the Stone Age to the Space Age. This course takes students through the age of classical civilizations. Supplementary lessons focus on concepts in economics and citizenship.

Curriculum Items

- U.S./world map (K–2)
- Inflatable globe (K–2)
- CD: *Tales from the Old Testament* by Jim Weiss
- CD: *Greek Myths* by Jim Weiss
- *Mummies* by Joyce Milton
- *The Egyptian Cinderella* by Shirley Climo
- *Tut's Mummy: Lost and Found* by Judy Donnelly
- *The Trojan Horse* by Emily Little



History 2

History 2 continues a program that spans the elementary grades, exploring world geography and history from the Stone Age to the Space Age. This course focuses on the time from ancient Rome to the later Middle Ages. Supplementary lessons focus on concepts in economics and citizenship.

Curriculum Items

- U.S./world map (K–2)
- Inflatable globe (K–2)
- *Knights in Shining Armor* by Gail Gibbons
- *Pompeii ... Buried Alive* by Edith Kunhardt
- *Saint Valentine* by Robert Sabuda
- *The Hundredth Name* by Shulamith Levey Oppenheim
- *Saint George and the Dragon* by Margaret Hodges
- *Sundiata: Lion King of Mali* by David Wisniewski

History 3

History 3 continues a program that spans the elementary grades, exploring world geography and history from the Stone Age to the Space Age. This course focuses on the period from the Renaissance through the American Revolution. Supplementary lessons focus on concepts in economics and citizenship.

Curriculum Items

- *Michelangelo* by Mike Venezia
- *America 1492* ("Kids Discover" Magazine)
- *The Revolutionary War* by Brendan January (Children's Press, 2000)
- *Understanding Geography Level 3— Map Skills and Our World* (maps.com, 2006)
- Inflatable globe (3–6)
- U.S./world map (3–5)

History 4

History 4 concludes a program that spans the elementary grades, exploring world geography and history from the Stone Age to the Space Age. This course focuses on the period from the Scientific Revolution to modern times. Supplementary lessons focus on concepts in economics and citizenship.

Curriculum Items

- *Understanding Geography Level 4—Map Skills and Our World* (maps.com, 2006)
- Inflatable globe (3–6)
- U.S./world map (3–5)

- *Charles Dickens: The Man Who Had Great Expectations* by Diane Stanley and Peter Vennema
- *Inventors: A Library of Congress Book* by Martin Sandler
- *The U.S. Constitution and You* by Syl Sobel

American History A

The first half of a detailed two-year survey of the history of the United States, this course 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 critical episodes in the story of America.

Curriculum Items

(subject to change)

- U.S./world map (3–5)
- *Understanding Geography Level 5— Map Skills and Our World* (maps.com, 2006)
- *A History of US: The Concise School Edition*

American History B

As the second half of a detailed two-year survey of the history of the United States, this course takes students from the end of the Civil War to the dawn of the 21st century. Lessons integrate topics in geography, civics, and economics. Students will assess the success and failure of Reconstruction; examine the impact of the settlement of the American West; investigate the social, political, and economic changes that resulted from industrialization; explore the changing role of the U.S. in international affairs from the late 19th century through the end of the Cold War; and trace major trends in the United States since 1945. Building on the award-winning series *A History of US*, the course guides students through critical episodes in the story of post-Civil War America.

Curriculum Items

(subject to change)

- Wall map set
- *A History of US: The Concise School Edition*

Intermediate World History A: From Prehistory through the Middle Ages

In this first part of a survey of world history from prehistoric to modern times, K¹² online lessons and assessments complement *The Human Odyssey*, a textbook series

developed and published by K¹². This course focuses on the development of civilization across a 12,000-year span: from the Ice Age to the Middle Ages, from cave paintings to stained glass windows, from crude huts to Gothic cathedrals. The course introduces geography concepts and skills as they appear in the context of the historical narrative.

Curriculum Item

- *The Human Odyssey, Volume 1: Prehistory Through the Middle Ages*

Intermediate World History B: Our Modern World, 1400 to 1914

Continuing a survey of world history from prehistoric to modern times, K¹² online lessons and assessments complement the second volume of *The Human Odyssey*, a textbook series developed and published by K¹². This course focuses on the story of the past, from the 15th century to 1914 and the beginning of World War I. The course is organized chronologically and, within broad eras, regionally. Lessons explore developments in religion, philosophy, the arts, and science and technology. The course introduces geography concepts and skills as they appear in the context of the historical narrative.

Curriculum Item

- *The Human Odyssey, Volume 2: Our Modern World, 1400 to 1914*

Art

Art K

Students are introduced to the elements of art—line, shape, color, and more. They learn about portraits and landscapes, and realistic and abstract art. Students will learn about important paintings, sculpture, and architecture; study the works and lives of artists such as Matisse, Miró, Rembrandt, Hiroshige, Cézanne, Picasso, and Faith Ringgold; and create artworks similar to works they learn about, using many materials and techniques. For example, students will create brightly colored paintings inspired by Matisse and make mobiles inspired by Alexander Calder.

Curriculum Items

- *Come Look with Me: Enjoying Art with Children* by Gladys S. Blizzard

- *Come Look with Me: Animals in Art* by Gladys S. Blizzard
- Art Print Kit, Kindergarten
- Paintbrush, tempera, flat bristle #1
- Paintbrush, tempera, medium #4
- Paintbrush, tempera, large #8
- Modeling clay, assorted colors
- Tempera paint set
- Oil pastels

Art 1

Following the timeline of K¹² History, Art 1 lessons include an introduction to 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; and create art similar to the works they learn about, using many materials and techniques. For example, inspired by Vincent van Gogh's *The Starry Night*, students paint their own starry landscape using bold brushstrokes, and make clay sculptures inspired by a bust of Queen Nefertiti and the Great Sphinx.

Curriculum Items

- *Come Look with Me: Exploring Landscape Art with Children* by Gladys S. Blizzard
- *Come Look with Me: World of Play* by Gladys S. Blizzard
- Art Print Kit, Grade 1
- Paintbrush, tempera, flat bristle #1
- Paintbrush, tempera, medium #4
- Paintbrush, tempera, large #8
- Modeling clay, assorted colors
- Tempera paint set
- Oil pastels

Art 2

Art 2 lessons include an introduction to the art and architecture of ancient Rome, medieval Europe, Islam, Mexico, Africa, China, and Japan. Students will examine elements of art and principles of design, such as line, shape, pattern, and more; study and create self-portraits, landscapes, sculptures, and more; and create artworks similar to works they learn about, using many materials and techniques. For example, after studying Winslow Homer's *Snap the Whip*, students paint their own narrative landscape, and design stained glass windows inspired by the Notre Dame Cathedral in Paris.



Curriculum Items

- *How Artists See Play* by Colleen Carroll
- *How Artists See Animals* by Colleen Carroll
- Art Print Kit, Grade 2
- Paintbrush, tempera, flat bristle #1
- Paintbrush, tempera, medium #4
- Paintbrush, tempera, large #8
- Modeling clay, assorted colors
- Tempera paint set
- Oil pastels

Art 3

Following the timeline of K¹² History, Art 3 lessons include an introduction to the art and architecture of the Renaissance throughout Europe, including Italy, Russia, and northern Europe. Students also investigate artworks from Asia, Africa, and the Americas created during the same time period. Students will extend their knowledge of elements of art and principles of design, such as form, texture, and symmetry, and draw, paint, and sculpt a variety of works, including self-portraits, landscapes, and still life paintings. For example, after studying da Vinci's *Mona Lisa*, students will use shading in their own drawings and make prints showing the features and symmetry of the Taj Mahal.

Curriculum Items

- *How Artists See Families* by Colleen Carroll
- *How Artists See Work* by Colleen Carroll
- Art Print Kit, Grade 3
- Paintbrush, tempera, flat bristle #1
- Paintbrush, tempera, small #1
- Paintbrush, tempera, medium #4
- Paintbrush, tempera, large #8
- Modeling clay, assorted colors
- Tempera paint set
- Oil pastels

Art 4

Lessons include an introduction to the artists, cultures, and great works of art and architecture from the French and American revolutions through modern times. Students will study and create artworks in various media, including portraits, quilts, sculpture, collages, and more; investigate the art of the United States, Europe, Japan, Mexico, and Africa; learn about Impressionism, Cubism, Art Nouveau, and Regionalism; and create artworks inspired by works they learn about, using many materials and techniques. For example, after studying sculptures and paintings of

ballerinas by Edgar Degas, students create their own clay sculptures of a figure in motion.

Curriculum Items

- *Come Look at Me: The Artist at Work* by R. Sarah Richardson
- *Come Look at Me: Exploring Modern Art* by Jessica Noelani Wright
- Art Print Kit, Grade 4
- Paintbrush, tempera, flat bristle #1
- Paintbrush, tempera, small #1
- Paintbrush, tempera, medium #4
- Paintbrush, tempera, large #8
- Tempera paint set
- Burlap

Intermediate Art: American A

Intermediate Art: American A includes an introduction to the artists, cultures, and great works of art and architecture of North America, from pre-Columbian times through 1877. Students will study and create various works, both realistic and abstract, including sketches, masks, architectural models, prints, and paintings; investigate the art of the American Indians, and Colonial and Federal America; and create artworks inspired by works they learn about, using many materials and techniques. For example, after studying John James Audubon's extraordinary paintings of birds, students make bird paintings with realistic color and texture.

Curriculum Items

- *Come Look With Me: Art in Early America* by Randy Osofsky
- *Come Look With Me: Exploring American Indian Art* by Stephanie Salomon
- Art Print Kit, Intermediate Art: American A
- Paintbrush, tempera, small #1
- Paintbrush, tempera, medium #4
- Paintbrush, tempera, large #8
- White self-hardening clay
- Tempera paint set
- Acrylic paint set
- Burlap
- Oil pastels

Intermediate Art: American B

Intermediate Art: American B is designed to complement K¹² American History B. Following the same historical timeline, lessons include an introduction to the artists, cultures, and great works of American art and architecture from the end of the Civil War through modern

times. Students will investigate paintings done in various styles, from Impressionist to Pop; learn about modern sculpture and folk art; discover how photographers and painters have inspired one another; examine examples of modern architecture, from skyscrapers to art museums; and create artworks inspired by works they learn about.

Curriculum Items

- Art Print Kit, Intermediate Art: American B
- Paintbrush, acrylic, small #1
- Paintbrush, acrylic, medium #4
- Paintbrush, acrylic, large #8
- Paintbrush, acrylic, flat bristle #1/2
- Pastalina clay (10 colors)
- Acrylic paint set
- Oil pastels

Intermediate Art: World A

Intermediate Art: World A is designed to complement Intermediate World History A: From Prehistory Through the Middle Ages. Following the same historical timeline, lessons include an introduction to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students will investigate how artists from different civilizations used various techniques, from painting to mosaic; examine elements of design and styles of decoration, from the spiral to the solar disk; and explore some of the best-preserved works from ancient tombs, including the treasures of Egypt's King Tut.

Curriculum Items

- Art Print Kit, Intermediate Art: World A
- Paintbrush, acrylic, small #1
- Paintbrush, acrylic, medium #4
- Paintbrush, acrylic, large #8
- White self-hardening clay
- Acrylic paint set

Intermediate Art: World B

K¹² Intermediate Art: World B is designed to complement World History: Our Modern World, 1400 to 1917. Following the same historical timeline, lessons include an introduction to the artists, cultures, and great works of world art and architecture from the Renaissance through modern times. Students will study various works of art from the Renaissance and beyond; discover great works of art and see how they influenced later artists; compare and contrast works from

many civilizations, from paintings to sculpture, architecture, book covers, prints, and more; and create artworks inspired by works they learn about.

Curriculum Item

- Art Print Kit, Intermediate Art: World B

Music

Preparatory Music

Kindergarten 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, or 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, and listen actively to different kinds of music. They will also understand concepts such as high and low, fast and slow, long and short, loud and soft, as well as identify and contrast beat and rhythm.

Curriculum Items

- *Let's Learn Music*—Vol. K (DVD)
- *Let's Listen*—Vol. K (CD)
- *Let's Sing*—Vol. K (CD)
- *Let's Sing*—Vol. K (songbook)
- Tambourine
- Slide whistle

Beginning 1 Music

This course is for students in grade 1, or students in grade 2 who are new to the K¹² Music program. In this course, traditional games and folk songs from many cultures help students begin to read and write simple melodic and rhythmic patterns. Students are introduced to the instruments of the orchestra through Prokofiev's classic *Peter and the Wolf*. They explore how music tells stories in *The Sorcerer's Apprentice* and are introduced to opera through a lively unit on Mozart's *Magic Flute*. Students sing along with folk songs, practice moving to music, and listen actively to different kinds of music.

Curriculum Items

- *Let's Learn Music*—Vol. 1 (DVD)
- *Let's Listen*—Vol. 1 (CD)



- *Let's Sing*—Vol. 1 (CD)
- *Let's Sing*—Vol. 1 (songbook)
- *Let's Learn Rhythm* (CD)
- Tambourine
- Slide whistle

Beginning 2 Music

This course is for students in grade 2 or 3 who have completed Beginning 1 Music. Through traditional folk songs and games, students learn to read more complicated melodic patterns and rhythms. As students listen to works by great composers, such as Vivaldi and Saint-Saëns, they learn to recognize these patterns in the music. Students will sing along with folk songs; read and write music; learn to recognize melody in three- and four-note patterns; identify rhythms in music using half notes; become familiar with string and percussion instruments of the orchestra; recognize duple and triple meter; and begin to understand standard musical notation.

Curriculum Items

- *Let's Learn Music*—Vol. 2 (DVD)
- *Let's Listen*—Vol. 2 (CD)
- *Let's Sing*—Vol. 2 (CD)
- *Let's Sing*—Vol. 2 (songbook)

Introduction to Music

Introduction to Music is for students in grades 3 or 4 who are new to K¹² and just beginning their study of music. Students learn to recognize and write melodic and rhythmic patterns with four elements, and they practice recognizing these patterns in the music of great composers, such as Beethoven and Brahms. Students become familiar with instruments of the orchestra as they listen to music composed by Vivaldi, Saint-Saëns, Holst, and others. Students will read and write music; learn to recognize melody in two-, three-, and four-note patterns; and identify rhythms in music using eighth, quarter, half notes, and rests.

Curriculum Items

- *Let's Learn Music*—Vol. 2 (DVD)
- *Let's Listen*—Vol. 2 (CD)
- *Let's Sing*—Vol. 2 (CD)
- *Let's Sing*—Vol. 2 (songbook)
- Tambourine
- Slide whistle

Intermediate 1 Music

This course is for students in grade 3 or 4 who have completed Beginning 1 and 2 Music, or students in grade 4 or 5 who have completed Introduction to Music. Through traditional folk songs, games, and the consistent use of solfège, students learn to read and write a variety of musical patterns and recognize the pentatonic scale. They learn to play simple melodies and rhythms on the recorder, and also learn fundamental concepts in breathing and singing. They become more familiar with the orchestra, especially the woodwind and brass families, and learn about the lives and works of Bach, Handel, Haydn, Mozart, and Beethoven. Students will learn to recognize melody in four- and five-note patterns; identify rhythms in music using sixteenths, dotted half notes, and whole notes; and recognize AB and ABA form.

Curriculum Items

- *Let's Learn the Recorder* (DVD)
- *Let's Sing*—Vol. 3 (CD)
- *Let's Listen*—Vol. 3 (CD)
- *Let's Sing*—Vol. 3 (songbook)
- Recorder

Intermediate 2 Music

This course is for students in grade 4 or 5 who have completed Intermediate 1 Music. The course begins by introducing notes that are lower or higher than the familiar lines and spaces of the staff. Students expand their knowledge of rhythm and learn about the Romantic period in music. Students also study harmony and practice recognizing pentatonic patterns. Finally, they take a musical trip through Europe, Africa, the Middle East, the Caribbean, Japan, and China.

Curriculum Items

- *Let's Sing*—Vol. 4 (CD)
- *Let's Listen*—Vol. 4 (CD)
- *Let's Sing*—Vol. 4 (songbook)

Intermediate 3 Music

This course is for students in grade 5 who have completed Intermediate 2 Music. The course introduces students to all the notes of the major scale, from low *So* all the way up to high *Do*. Students also learn to recognize and sing the natural minor scale. They expand their knowledge of rhythm with simple syncopated patterns. This semester introduces the Modern period in music, with listening activities to help students recognize Modern music and identify pieces by

individual composers. Near the end of the year, students explore American folk music as they follow the expansion of the country westward. Finally, they learn to recognize the major forms of classical music: three-part song form, theme and variations, rondo, sonata allegro, and fugue.

Curriculum Item

- *Let's Listen*—Vol. 5 (CD)

Exploring Music

This course is for students in grade 5 who are new to the K¹² Music program. This course presents the basics of traditional music appreciation through singing and the study of music in history and culture. Students begin by studying some of the most important classical composers, and then study traditional music from around the country and around the world. Finally, they learn how to follow the form of a piece of music.

Curriculum Items

- *Let's Listen and Learn*—A and B (CDs)
- *Let's Sing for Fun* (CD)
- *Let's Sing for Fun* (songbook)

Music Concepts A

This course is for students in grade 6, or students in grade 7 who are new to the K¹² Music program. Students learn the fundamentals of music, as they relate to the piano key, and study a select group of composers and their music. The course covers the staff and the keyboard; extending the staff; and flats, sharps, and scales. Course content is offline. Students complete lessons using the *Music Ace* CD, student guides, and listening CDs.

Curriculum Items

- *Music Ace*—Grade 6 (CD)
- *Beethoven* (CD)
- *Mendelssohn* (CD)
- *Mozart* (CD)
- *Vivaldi and Corelli* (CD)

***Please note:** The student guides are not available in a pre-printed format and will need to be printed from the K¹² Online School (OLS). Teacher guides are not available in any format. Parents may use the student guide to view student lesson information.

Music Concepts B

This course is for students in grade 7 who have already completed Music Concepts A. Students learn the fundamentals of music, as they relate to the piano key, and study a select group of composers and their music. The course covers the elements of rhythm and melody; rhythms, rests, and keys; and minor scales, syncopation, and harmony. Course content is offline. Students complete lessons using the *Music Ace* CD, student guides, and listening CDs.

Curriculum Items

- *Music Ace*—Grade 7 (CD)
- *Sousa* (CD)
- *Chopin* (CD)
- *Schumann and Grieg* (CD)
- *Verdi* (CD)

***Please note:** The student guides are not available in a pre-printed format and will need to be printed from the K¹² Online School (OLS). Teacher guides are not available in any format. Parents may use the student guide to view student lesson information.

Music Appreciation

This course is for students in grade 8. Music Appreciation covers the fundamentals of music (such as rhythm, beat, melody, harmony, form, and expression), and a survey of music history beginning with the early music of the Greeks and the Middle Ages. The course concludes with Modern music by composers such as Copland and Prokofiev. Topics include the elements of music; music and emotion; musical style; musical instruments of the world; and music through history. Course content is offline. Students complete lessons using the *Music Appreciation* CD set and student guides.

Curriculum Item

- *Music Appreciation* (six-CD set)

***Please note:** The teacher and student guides are not available in a pre-printed format and will need to be printed from the K¹² Online School (OLS).



World Languages

Elementary Spanish 1

This course for beginners with little exposure to world languages is geared for younger minds, still especially receptive to language learning through contextual interpretation and imitation. Highly visual and amusing stories and activities are geared for these developing students, encouraging them to begin telling stories themselves. This course is not just a set of language lessons, but an appealing adventure for young minds. An integrated, game-based reward system keeps learners motivated and eager to progress.

Communication expressions include greetings, introductions, songs, *por favor* and *gracias*, and other expressions of daily courtesy, simple storytelling, and free-response questions. Vocabulary starts with numbers 1–10, animals, and shapes, and moves into days of the week, seasons, colors, fruits and vegetables, simple directions, and useful “around town” expressions. Grammar moves from simple sentence construction, first- and third-person verbs, and indefinite articles to demonstrative pronouns, simple conjunctions, simple possession, and *ser* and *estar*. Students also begin to encounter the third-person past tense, imperative verbs, and second-person present-tense verbs.

Cultural topics introduce the geography and customs of Spanish-speaking countries.

Curriculum Items

- None

Elementary Spanish 2

The adventure story continues to build upon the base of vocabulary and linguistic structures introduced in Elementary Spanish 1. Interactive activities and increasingly challenging games continue to drive students toward a strong set of intermediate language skills. An integrated, game-based reward system keeps learners motivated and eager to progress.

Communication expressions include social exchanges, more complex storytelling, songs, recipes, word puzzles, and interrogative words. Vocabulary includes advanced family- and animal-related words and a review of numbers. Poems, stories, and songs are used throughout. Grammar

moves from negative and reflexive verbs and third-person plural present verbs to noun-adjective agreement, first-person past-tense verbs, and the plural imperative. Cultural topics include cuisine, climate, geography, and history.

Curriculum Items

- None

Prerequisites: Elementary Spanish 1, or equivalent

Middle School Spanish 1

This course for early- to mid-teen beginners in Spanish* turns adventures and activities into rigorous lessons in grammar and vocabulary, with instruction equivalent to that found in the first semester of high school Spanish I. Listening comprehension, oral production, reading, writing, and cultural awareness are all emphasized in accordance with standards formulated by ACTFL (American Council on the Teaching of Foreign Languages). Communication topics include greetings, introductions, relationships, cause and effect, likes and dislikes, and questions. Vocabulary includes common daily adjectives, animals, body parts, family and household words, colors, food, and numbers 1 to 900. Grammar progresses from simple original sentence construction, verb infinitives, and base forms to irregular verbs, Latin-derived cognates, concrete objects and associated verbs, adjectival agreement, and demonstrative pronouns. Cultural topics include the economies, traditions, histories, and political structures of Spanish-speaking nations.

*Also suitable for students of other ages, depending upon background and experience.

Middle School Spanish 2

The solid basis acquired in Middle School Spanish 1 is expanded through appealing practice and instruction in the form of games and stories, with instruction equivalent to that found in the second semester of high school Spanish I. These activities guide students to express more complex thoughts and understand native language from a variety of culturally authentic sources. Students increase skills in reading, listening comprehension, and vocabulary as they learn sentence patterns and advanced phrases. They learn to identify objects from descriptions, translate to and from Spanish, create stories, and understand and give directions. Vocabulary emphasizes geography, math, plants, animals,

and directions, conveyed through increasingly complex poems, stories, and ditties. Grammar topics include object pronouns with finite and infinite verbs, past- and present-tense verbs, action verbs, imperfect tense, participle verb endings, indicative and subjunctive verb forms, and dependent verb clauses. Cultural topics expand to include higher-level content, with special emphasis on the literary and social treasures of Spanish-speaking countries.

Curriculum Items

- None

Prerequisites: Middle School Spanish 1, or equivalent

Elementary French 1

This course for beginners with little exposure to world languages is geared for younger minds, still especially receptive to language learning through contextual interpretation and imitation. Highly visual and amusing stories and activities are geared for these developing students, encouraging them to begin telling stories themselves. This course is not just a set of language lessons but an appealing adventure for young minds. An integrated, game-based reward system keeps learners motivated and eager to progress.

Communication expressions include greetings, introductions, *oui* and *non*, *s'il vous plait* and *merci*, and other familiar phrases, songs, simple storytelling, and description activities. Vocabulary starts with animals, shapes, and colors and moves to fruits, farm-related words, body parts, family words, and numbers. Grammar topics include simple nouns, first-, second-, and third-person present-tense verbs for simple questions, basic third-person past-tense verbs, interrogative words, simple conjunctions, articles, prepositions, and introductory imperative and infinitive verb forms.

Cultural topics introduce the geographies and customs of French-speaking countries.

Curriculum Items

- None

Elementary French 2

The adventure story continues to build upon the base of vocabulary and linguistic structures introduced in Elementary French 1. Interactive activities and increasingly challenging games continue to drive students toward a

strong set of intermediate language skills. An integrated, game-based reward system keeps learners motivated and eager to progress.

Communication expressions include a wider array of social greetings and more complex storytelling and songs. Vocabulary expands with more terms related to animals, body parts, colors, familial relationships, and numbers. Grammar moves from second- and third-person plural present-tense forms, prepositional phrases, and more first- and third-person present-tense forms to additional conjunctions, reflexive verbs, imperatives, and past-tense forms.

Cultural topics include cuisine, climate, geography, and history.

Curriculum Items

- None

Prerequisites: Elementary French 1, or equivalent

Middle School French 1

This multimedia, game-based course for early- to mid-teen beginners in French* turns adventures and activities into rigorous lessons in grammar and vocabulary, with instruction equivalent to that found in the first semester of high school French I. Listening comprehension, oral production, reading, writing, and cultural awareness are all emphasized in accordance with standards formulated by ACTFL (American Council on the Teaching of Foreign Languages). Communication topics include greetings, introductions, relationships, cause and effect, likes and dislikes, and questions. Vocabulary includes common daily adjectives, animals, body parts, family and household words, colors, food, and numbers 1 to 900. Grammar progresses from simple original sentence construction, verb infinitives, and base forms to irregular verbs, Latin-derived cognates, concrete objects and associated verbs, adjectival agreement, and demonstrative pronouns. Cultural topics include the economies, traditions, histories, and political structures of French-speaking nations.

*Also suitable for students of other ages, depending upon background and experience.

Curriculum Items

- None



Middle School French 2

The solid basis acquired in Middle School French 1 is expanded in this course with instruction equivalent to that found in the second semester of high school French I. Students continue their introduction to French with fundamental building blocks in four key areas of world language study: listening comprehension, speaking, reading, and writing. Students are initially trained to recognize key sounds and basic vocabulary, not only in written form but also through ear training that leads quickly to oral production. An ongoing adventure story introduces vocabulary and grammar topics, and prompts students to use skills from the four language-learning areas. Students learn fundamental grammar as embedded in authentic spoken language.

Curriculum Items

- None

Prerequisites: Middle School French 1, or equivalent

Elementary German 1

This course for beginners with little exposure to world languages is geared for younger minds still especially receptive to language learning through contextual interpretation and imitation. Highly visual and amusing stories and activities are geared for these developing students, encouraging them to begin telling stories themselves. This course is not just a set of language lessons, but an appealing adventure for young minds, rich with graphics, games, and engaging interactive activities. An integrated, game-based reward system keeps learners motivated and eager to progress.

Communication expressions include greetings, introductions, *ja* and *nein*, *danke* and *bitte* and other familiar phrases, songs, simple storytelling, and description activities. Vocabulary starts with animals, body parts, numbers, shapes, small objects, and colors, before moving on to food, farm-related words, useful “around town” expressions, and household terminology. Grammar starts with simple nouns, first-, second-, and third-person present-tense verbs, direct and indirect articles, the conjunction *und*, the pluralization of nouns, third-person plural present-tense verbs, third-person past-tense verbs, simple prepositions, and expressions conveying “there is,” “there are,” “isn’t,” and “will be.”

Cultural topics introduce the geographies and customs of German-speaking countries, with a special focus on German-speaking Switzerland.

Curriculum Items

- None

Prerequisites: Elementary German 1, or equivalent

Elementary German 2

The adventure story continues to build upon the base of vocabulary and linguistic structures introduced in Elementary German 1. Interactive activities and increasingly challenging games continue to drive students toward a strong set of intermediate language skills. An integrated, game-based reward system keeps learners motivated and eager to progress.

Communication expressions include a wider array of social greetings, introductions, simple commands, suggestions, questions, German folk songs, and enhanced storytelling. Vocabulary expands in the domains of animals, body parts, numbers, shapes, small objects, familial relationships, food, cooking, and new words useful for telling stories such as “The Three Little Pigs” and “Chicken Little” in German. Grammar adds more third-person present-tense verbs, direct and indirect articles, and the conjunction *aber*, and progresses toward new third-person plural present-tense forms, third-person past-tense verbs, additional prepositions, and expressions conveying “very.” Students are also exposed to the simple future tense in the third person.

Cultural topics include cuisine, climate, geography, and history.

Curriculum Items

- None

Middle School German 1

This course for early- to mid-teen beginners in German* turns adventures and activities into rigorous lessons in grammar and vocabulary, with instruction equivalent to that found in the first semester of high school German I. Students are introduced to the fundamental building blocks in four key areas of world language study: listening comprehension, speaking, reading, and writing. Students are initially trained to recognize key sounds and basic vocabulary, not only in written form but also through ear training that leads quickly

to oral production. An ongoing adventure story introduces vocabulary and grammar topics, and prompts students to use skills from the four language-learning areas. Students learn fundamental grammar as embedded in authentic spoken language.

*Also suitable for students of other ages, depending upon background and experience.

Curriculum Items

- None

Middle School German 2

The solid basis acquired in Middle School German 1 is expanded in this course with instruction equivalent to that found in the second semester of high school German I. In this continuing introduction to German, students deepen their focus on four key skills in world language acquisition: listening comprehension, speaking, reading, and writing. A continuing storyline introduces and reinforces new vocabulary, while activities prompt students to analyze meaning from context, and then to reproduce new vocabulary items in functional real-life oral expression. Additional verb tenses and idiomatic expressions are also introduced. As in German 1, students learn grammar through supplemental texts that supply traditional charts, tables, and explanations.

Curriculum Items

- None

Prerequisites: Middle School German 1, or equivalent

Elementary Latin 1

Latin remains a vital tool in improving students’ fundamental understanding of English and other languages. While it’s considered, in the strictest sense, to be a “dead” language, Latin comes alive in this course through the use of gaming and multimedia techniques, creating the foundation for a deep understanding of cultural, political, and literary history. An integrated, game-based reward system keeps learners motivated and eager to progress.

Communication expressions include greetings, introductions, familiar phrases, relationships, cause and effect, likes and dislikes, and questions. Vocabulary progresses from animals, body parts, family relationships, colors, food, plants, and numbers to small objects, shapes, and household words. Grammar begins with simple sentence

construction, first- and third-person verbs, demonstrative pronouns, conjunctions, and simple possession, before moving on to basic third-person past-tense and imperative forms, as well as certain second-person present-tense forms.

Cultural topics introduce the history of the Latin language, and daily practices as well as military, political, and artistic aspects of the Roman Empire.

Curriculum Items

- None

Middle School Latin 1

This course for early- to mid-teen beginners in Latin* transforms a “dead” language into a living one, with instruction equivalent to that found in the first semester of high school Latin I. Students learn the fundamental building blocks of world language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

*Also suitable for students of other ages, depending upon background and experience

Curriculum Items

- None

Middle School Latin 2

This course for early- to mid-teen beginners in Latin* expands on skills learned in the first-year course, with instruction equivalent to that found in the second semester of high school Latin I. Students continue building the fundamentals: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept; numerous interactive games reinforcing vocabulary and grammar; reading and listening comprehension activities; speaking and writing activities; cultural presentations covering significant aspects of Roman culture; and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).



*Also suitable for students of other ages, depending upon background and experience

Curriculum Items

- None

Prerequisites: Middle School Latin 1, or equivalent

Middle School Chinese 1

Students use compelling stories, games, videos, and multimedia experiences in this introduction to Mandarin Chinese, with instruction equivalent to that found in the first semester of high school Chinese I. They learn the elegant simplicity of Chinese grammar and the subtleties of Chinese pronunciation through entertaining lessons that give a base of conversational ability and listening comprehension. Students build a foundation for reading and writing in the Chinese language through an adaptive technology that lets them choose an approach that works best for them. Engaging graphics, videos, and games keep students interested, and make learning a new language exciting.

Curriculum Items

- None

Middle School Chinese 2

Students use compelling stories, games, videos, and multimedia experiences in this continuing introduction to Mandarin Chinese, with instruction equivalent to that found in the second semester of high school Chinese I. They learn the elegant simplicity of Chinese grammar and the subtleties of Chinese pronunciation through entertaining lessons that give a base of conversational ability and listening comprehension. Students build a foundation for reading and writing in the Chinese language through an adaptive technology that lets them choose an approach that works best for them. Engaging graphics, videos, and games keep students interested, and make learning a new language exciting.

Curriculum Items

- None

Prerequisites: Middle School Chinese 1, or equivalent

Introduction to Online Learning

Families begin the school year with one of three Introduction to Online Learning courses targeted to grades K–2, 3–5, or 6–8. The courses provide an overview of each curriculum area so students and Learning Coaches can familiarize themselves with the philosophy behind the curriculum methodology and overall course organization. The lessons are interactive and include actual animations or graphics that are used in the courses themselves. By the end of the course, students will be fully prepared to begin their K¹² lessons in the online school.

Course Length: 6–8 hours

Materials: None

Prerequisites: None



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