

Math

What your child learns in math, Kindergarten through Grade 12

	NUMBERS & QUANTITIES	OPERATIONS & ALGEBRA	FRACTIONS & RATIOS	FUNCTIONS	MEASUREMENT, DATA & PROBABILITY	GEOMETRY
KINDERGARTEN	Counting to 100 ♦ Writing numbers to 20 ♦ Numbers and amounts ♦ Comparing, teen numbers	Adding and taking away ♦ Add and subtract within 10 ♦ Breaking apart numbers ♦ Making 10	—	—	Describing size and weight ♦ Comparing measures ♦ Sorting and counting	Naming shapes ♦ Flat and solid shapes ♦ Shape parts ♦ Building shapes
GRADE 1	Counting to 120 ♦ Tens and ones, teens ♦ Comparing numbers ♦ Adding within 100	Word problems to 20 ♦ Add and subtract within 20 ♦ Equal sign ♦ Missing numbers	—	—	Ordering by length ♦ Measuring length ♦ Telling time ♦ Sorting data	Shape features ♦ Combining shapes ♦ Halves and fourths
GRADE 2	Hundreds, tens, ones ♦ Skip counting ♦ Numbers to 1000 ♦ Add and subtract to 1000	Word problems to 100 ♦ Sums to 20 by heart ♦ Odd and even ♦ Arrays	—	—	Measuring length ♦ Time and money ♦ Graphs	Drawing shapes ♦ Rows and columns ♦ Halves and thirds
GRADE 3	Rounding ♦ Add and subtract within 1000 ♦ Multiplying by tens	Multiply and divide ♦ Word problems ♦ Multiplication facts ♦ Patterns	Fractions of a whole ♦ Fractions on a number line ♦ Equal fractions	—	Scaled graphs ♦ Measuring to quarter inch ♦ Elapsed time ♦ Metric volume and mass ♦ Area ♦ Perimeter	Shape families ♦ Fractions of shapes
GRADE 4	Place value, big numbers ♦ Add and subtract big numbers ♦ Multiply and divide	Factors and multiples ♦ Patterns ♦ Multistep word problems	Equivalent fractions ♦ Comparing fractions ♦ Adding fractions ♦ Multiplying fractions ♦ Fractions and decimals	—	Angles and measuring ♦ Line plots ♦ Units and area	Points, lines, angles ♦ Parallel and perpendicular ♦ Symmetry
GRADE 5	Long division ♦ Multi-digit multiplication ♦ Decimal operations ♦ Place value and decimals	Number patterns ♦ Order of operations ♦ Writing expressions	Fractions as division ♦ Multiplying fractions ♦ Dividing unit fractions ♦ Adding fractions	—	Converting units ♦ Volume ♦ Line plots	Classifying shapes ♦ Coordinate grid
GRADE 6	Dividing fractions ♦ Negatives, absolute value ♦ Coordinate plane ♦ Multi-digit operations	Exponents ♦ Writing expressions ♦ Solving equations ♦ Inequalities ♦ Variable relationships	Understanding ratios ♦ Unit rates ♦ Percents ♦ Unit conversions	—	Statistical questions ♦ Mean and median ♦ Dot plots, histograms ♦ Describing data	Area of shapes ♦ Volume of prisms ♦ Polygons on a grid ♦ Nets of 3D shapes
GRADE 7	Adding, subtracting negatives ♦ Multiplying, dividing negatives ♦ Rational number problems	Rewriting expressions ♦ Writing equations ♦ Solving equations ♦ Solving inequalities	Unit rates ♦ Proportional relationships ♦ Percent problems	—	Comparing data sets ♦ Probability basics ♦ Compound probability ♦ Sampling	Scale drawings ♦ Drawing and slicing shapes ♦ Circle area ♦ Angle facts ♦ Surface area and volume
GRADE 8	Irrational numbers	Linear equations ♦ Systems of equations ♦ Slope and graphing ♦ Exponents, roots, notation	—	What a function is ♦ Comparing functions ♦ Linear functions ♦ Graphs and relationships	Scatter plots ♦ Lines of best fit ♦ Categorical data patterns	Volume of solids ♦ Pythagorean Theorem ♦ Transformations ♦ Congruence, similarity, angles
GRADE 9	Units and accuracy ♦ Rational and irrational sums	Polynomials, expressions ♦ Writing and graphing ♦ Solving equations ♦ Quadratic equations	—	Writing functions ♦ Graphs and rate of change ♦ Function notation ♦ Linear and exponential	Comparing data sets ♦ Two-way tables ♦ Scatter plots and fitting ♦ Correlation vs causation	—
GRADE 10	—	—	—	—	—	Circles, constructions ♦ Congruence and similarity ♦ Area, volume, coordinates ♦ Trigonometry
GRADE 11	Complex numbers ♦ Rational exponents and radicals	Polynomials and factoring ♦ Rational expressions ♦ Quadratics and systems ♦ Geometric series	—	Transforming functions ♦ Inverse functions ♦ Graphing polynomials ♦ Logs and exponentials	Probability rules ♦ Two-way tables ♦ Normal distribution ♦ Surveys and inference	—
GRADE 12	Complex numbers ♦ Matrix operations ♦ Vectors	Rational expressions ♦ Binomial Theorem ♦ Matrix equations	—	Composite, inverse functions ♦ Logs and graphing ♦ Unit circle ♦ Trig models, identities	Counting and probability ♦ Random variables ♦ Expected value ♦ Decisions with probability	Conic sections ♦ Volume formulas ♦ Law of sines and cosines ♦ Triangle area formula

Language

Grammar, conventions and vocabulary, grade by grade

	GRAMMAR, CAPITALS & PUNCTUATION	VOCABULARY
KINDERGARTEN	Complete sentences ♦ Capitals & end marks ♦ Spelling by sound	Word clues ♦ Sorting words by meaning ♦ Collecting new words
GRADE 1	Nouns & verbs ♦ Full sentences ♦ Capitals & punctuation ♦ Spelling patterns	Context clues ♦ Related words ♦ Shades of meaning ♦ Collecting new words
GRADE 2	Correct grammar ♦ Capitals & commas ♦ Spelling rules ♦ Words that fit the situation	Unfamiliar words ♦ Real-life word meanings ♦ Word groups ♦ Growing a word bank
GRADE 3	Parts of speech ♦ Varied sentences ♦ Punctuation & spelling ♦ Writing vs. talking	Prefixes & suffixes ♦ Context clues ♦ Figures of speech ♦ Shades of meaning ♦ Topic words
GRADE 4	Stronger grammar ♦ Sentence building ♦ Capitals & punctuation ♦ Tricky spellings ♦ Words & style for purpose	Word parts & tools ♦ Similes & idioms ♦ Opposites ♦ Topic vocabulary
GRADE 5	Parts of speech ♦ Capitals, commas, spelling ♦ Language in context	Using context clues ♦ Figurative language ♦ Academic words
GRADE 6	Sentence structure ♦ Punctuation and spelling ♦ Choosing words for meaning	Context clues and word parts ♦ Figurative language ♦ Academic and subject words
GRADE 7	Grammar and usage ♦ Capitalization and punctuation ♦ Choices for style	Word roots and affixes ♦ Word relationships ♦ Academic vocabulary
GRADE 8	Varied sentence structure ♦ Punctuation and spelling ♦ Language and style	Using reference materials ♦ Word nuances ♦ Subject-specific words
GRADE 9	Grammar in writing and speech ♦ Conventions of writing ♦ Effective language choices	Multiple-meaning words ♦ Figurative language ♦ Domain-specific words
GRADE 10	Advanced usage ♦ Punctuation and spelling mastery ♦ Language in different contexts	Word roots and affixes ♦ Nuances in word meaning ♦ Academic vocabulary
GRADE 11	Command of grammar ♦ Polished punctuation and spelling ♦ Style and meaning choices	Decoding unknown words ♦ Figurative language, nuance ♦ Precise academic words
GRADE 12	Mastery of standard English ♦ Error-free writing conventions ♦ Purposeful style choices	Clarifying word meanings ♦ Nuance and figurative language ♦ Advanced academic words

Reading

Stories, poems and nonfiction, grade by grade

	STORIES & POEMS	NONFICTION
KINDERGARTEN	Story types and authors ♦ Characters, setting, events ♦ Retelling stories ♦ Questions and new words ♦ Comparing and group reading	Parts of a book ♦ New words and questions ♦ Pictures, topic, facts ♦ Author's reasons ♦ Comparing and group reading
GRADE 1	Story types and feeling words ♦ Characters, setting, events ♦ Retelling and lessons ♦ Questions and comparing ♦ Reading with support	Unknown words and headings ♦ Pictures and big ideas ♦ Main topic and details ♦ Author's reasons ♦ Comparing and questions
GRADE 2	Rhythm and rhyme ♦ Story parts and fables ♦ Character challenges ♦ Versions and pictures ♦ Reading on your own	Topic words ♦ Captions, indexes, diagrams ♦ Main topic of paragraphs ♦ Author's purpose and reasons ♦ Comparing and questions
GRADE 3	Literal and figurative words ♦ Chapters, scenes, stanzas ♦ Characters and illustrations ♦ Myths and fables ♦ Evidence and comparing	Topic words and features ♦ Author's view ♦ Main idea and details ♦ Cause and sequence ♦ Comparing and proof
GRADE 4	Word meaning, allusions ♦ Poems, plays, stories ♦ Narrators and performance ♦ Theme and inferring ♦ Character and setting	Topic words and structure ♦ Eyewitness accounts ♦ Main idea, summary ♦ Inferring and evidence ♦ Cause and combined texts
GRADE 5	Figurative language ♦ Structure and viewpoint ♦ Visual and media elements ♦ Comparing characters, genres ♦ Theme and quoting evidence	Subject word meanings ♦ Comparing structure, accounts ♦ Using several sources ♦ Reasons and quoted evidence ♦ Main ideas and summary
GRADE 6	Word choice and tone ♦ Plot, parts, and characters ♦ Narrator's viewpoint ♦ Reading versus watching ♦ Comparing genres ♦ Evidence and theme	Technical word meanings ♦ Purpose and argument ♦ How sections build ideas ♦ Comparing media and accounts ♦ Evidence and central idea
GRADE 7	Poetry sounds and forms ♦ Contrasting viewpoints ♦ Page versus screen ♦ Fiction and real history ♦ Theme, evidence, story parts	Impact of word choice ♦ Organization and ideas ♦ Author's position ♦ Weighing arguments ♦ Comparing media, authors ♦ Evidence and central ideas
GRADE 8	Word choice and allusions ♦ Structure and irony ♦ Film versus script ♦ Myths in modern fiction ♦ Dialogue that drives plot ♦ Theme and evidence	Analogies and allusions ♦ Paragraph structure ♦ Handling opposing views ♦ Print versus media ♦ Testing an argument ♦ Best evidence, central idea
GRADE 9	Tone and word choice ♦ Pacing and suspense ♦ World literature ♦ Same subject, two arts ♦ Reworked source material ♦ Theme, characters, evidence	Word choice and rhetoric ♦ How claims develop ♦ Faulty reasoning ♦ Founding U.S. documents ♦ Accounts across media ♦ Evidence, central idea
GRADE 10	Language and tone ♦ Mystery and flashbacks ♦ Global perspectives ♦ Comparing art forms ♦ Adapting older works ♦ Motives, characters, theme	Tone, rhetoric, purpose ♦ Refining claims ♦ Fallacies and false claims ♦ Landmark U.S. documents ♦ Accounts in media ♦ Supporting a central idea
GRADE 11	Beautiful language ♦ Structure and story choices ♦ Satire and irony ♦ Competing interpretations ♦ Early American works ♦ Several themes, evidence	Key terms and rhetoric ♦ Structure's effectiveness ♦ Combining sources ♦ Court and founding texts ♦ Complex ideas and evidence
GRADE 12	Powerful word choice ♦ Mystery and timing ♦ Irony and satire ♦ Comparing performances ♦ American literary classics ♦ Authors' choices and themes	Key terms and persuasion ♦ Evaluating structure ♦ Integrating sources ♦ Legal and historic documents ♦ Evidence and interacting ideas

Phonics

Print, sounds, decoding and fluency, grade by grade

	PRINT & BOOK BASICS	SOUNDS IN WORDS	DECODING & SIGHT WORDS	FLUENCY
KINDERGARTEN	How books work ♦ Left to right ♦ Letters spell words ♦ Spaces between words ♦ Letter names	Spoken word play ♦ Rhyming ♦ Syllables ♦ Blending ♦ First, middle & last sounds ♦ Swapping sounds	Sounding out words ♦ Letter sounds ♦ Long & short vowels ♦ Sight words ♦ Changing sounds	Beginner books
GRADE 1	Page organization ♦ Parts of a sentence	Listening for sounds ♦ Long vs. short vowels ♦ Blending ♦ Sound positions ♦ Every sound in a word	Sounding out words ♦ sh, ch & th ♦ Short words ♦ Silent e & vowel pairs ♦ Counting syllables ♦ Two-part words ♦ -ing & -ed endings ♦ Sight words	Smooth reading ♦ Reading with purpose ♦ Expression ♦ Fixing mistakes
GRADE 2	—	—	Sounding out words ♦ Long vs. short vowels ♦ Vowel pair spellings ♦ Two-part long vowel words ♦ Prefixes & suffixes ♦ Irregular spellings ♦ Sight words	Smooth reading ♦ Reading with purpose ♦ Rereading aloud ♦ Fixing mistakes
GRADE 3	—	—	Sounding out words ♦ Word part meanings ♦ -tion & -ture ♦ Long words in parts ♦ Sight words	Smooth reading ♦ Reading with purpose ♦ Reading aloud with feeling ♦ Fixing mistakes
GRADE 4	—	—	Sounding out words ♦ Long words by word parts	Smooth reading ♦ Reading with purpose ♦ Reading aloud with feeling ♦ Fixing mistakes
GRADE 5	—	—	Reading multisyllable words ♦ Using roots and affixes	Accurate, steady pace ♦ Reading with purpose ♦ Reading with expression ♦ Self-correcting with context
GRADE 6	—	—	—	—
GRADE 7	—	—	—	—
GRADE 8	—	—	—	—
GRADE 9	—	—	—	—
GRADE 10	—	—	—	—
GRADE 11	—	—	—	—
GRADE 12	—	—	—	—

Knowly phonics runs from Kindergarten through Grade 5.

Spelling

Weekly word patterns, lists and dictation, grade by grade

	WEEKLY PATTERNS	WORD LIST & DICTATION	DAILY WORK	HANDWRITING
KINDERGARTEN	Simple CVC patterns ♦ Words that break the rules ♦ A letter for each sound ♦ Simple words by sound	5–6 words a week ♦ Review of missed words ♦ Friday dictation: words + a sentence	5 items a day ♦ Write & circle the pattern ♦ Fill in missing letters ♦ Grouping words ♦ Sentence & question	Manuscript
GRADE 1	Phonogram of the week ♦ Pattern line & rule box	8–10 words a week ♦ Review of missed words ♦ Friday dictation: words + a sentence	8 items a day ♦ Word ladders ♦ Word sorts ♦ Word-bank matching ♦ Sentence & question	Manuscript
GRADE 2	Spelling patterns ♦ Common irregular words	10–12 words a week ♦ Review of missed words ♦ Friday dictation: words + 2 sentences	10 items a day ♦ Word ladders & sorts ♦ Word pairs ♦ Past-tense changes ♦ Sentences with the words	Manuscript ♦ Cursive from January
GRADE 3	Prefixes ♦ Suffixes ♦ Syllable types	12–15 words a week ♦ Review of missed words ♦ Friday dictation: 12 words + 2 sentences	10 items a day ♦ Underline the prefix or suffix ♦ Word building ♦ Matching definitions ♦ Analogies ♦ Shades of meaning	Cursive
GRADE 4	Greek & Latin roots ♦ Word families from one root	12–15 words a week ♦ Review of missed words ♦ Friday dictation: 15 words + 2 sentences	12 items a day ♦ Underline the root ♦ Word building ♦ Changing the part of speech ♦ Analogies ♦ Sentences with the words	Cursive
GRADE 5	—	—	—	—
GRADE 6	—	—	—	—
GRADE 7	—	—	—	—
GRADE 8	—	—	—	—
GRADE 9	—	—	—	—
GRADE 10	—	—	—	—
GRADE 11	—	—	—	—
GRADE 12	—	—	—	—

Every week has one pattern, a word list and five days of work. Friday dictation is the score. Grades 5 to 12: in development.

Writing

Opinion, informational and story writing, grade by grade

	TYPES OF WRITING	PLANNING, PUBLISHING & PRACTICE	RESEARCH
KINDERGARTEN	Opinions ♦ Facts about a topic ♦ Telling about an event	Adding details ♦ Writing with computers	Books by one author ♦ Answering a question
GRADE 1	Opinion with a reason ♦ Facts about a topic ♦ Events in order	One topic with details ♦ Typing & sharing	How-to steps ♦ Finding answers
GRADE 2	Short opinions ♦ Linking with because ♦ Facts & definitions ♦ Stories with feelings	Revising & fixing ♦ Digital publishing	Report on a topic ♦ Gathering facts
GRADE 3	Opinion pieces with reasons ♦ Informational writing ♦ Stories with dialogue ♦ Linking & time words	Planning & revising ♦ Typing with a keyboard ♦ Writing often	Short research projects ♦ Note-taking
GRADE 4	Opinions with facts ♦ Informative writing ♦ Narratives with sensory detail ♦ Linking phrases	Purpose & reader ♦ Plan, revise, edit ♦ Writing on the internet ♦ Regular writing	Different sides of a topic ♦ Research notes ♦ Evidence from texts ♦ Character details ♦ Author's reasons
GRADE 5	Opinion pieces with reasons ♦ Informative writing ♦ Narratives with dialogue	Clear, organized writing ♦ Planning and revising ♦ Publishing with technology ♦ Regular writing practice	Short research projects ♦ Gathering information ♦ Evidence from texts
GRADE 6	Arguments with clear reasons ♦ Informative essays ♦ Narratives with dialogue	Writing for a purpose ♦ Revising with feedback ♦ Online publishing ♦ Routine writing	Short research projects ♦ Judging source credibility ♦ Evidence from texts
GRADE 7	Arguments with opposing views ♦ Informative essays ♦ Narratives with pacing	Writing for audience ♦ Revising with feedback ♦ Publishing and citing online ♦ Routine writing	Research with several sources ♦ Searching and assessing sources ♦ Evidence from texts
GRADE 8	Arguments with counterclaims ♦ Informative essays ♦ Narratives with reflection	Writing for audience ♦ Revising with feedback ♦ Publishing with technology ♦ Routine writing	Research with own questions ♦ Searching and assessing sources ♦ Evidence from texts
GRADE 9	Arguments with counterclaims ♦ Informative essays, complex ideas ♦ Narratives, multiple plot lines	Style for task and audience ♦ Revising and rewriting ♦ Publishing and updating online ♦ Routine writing	Sustained research projects ♦ Using authoritative sources ♦ Evidence for analysis
GRADE 10	Arguments with counterclaims ♦ Informative essays, complex ideas ♦ Narratives, multiple plot lines	Style for task and audience ♦ Revising and rewriting ♦ Publishing and updating online ♦ Routine writing	Sustained research projects ♦ Using authoritative sources ♦ Evidence for analysis
GRADE 11	Thorough, evidence-based arguments ♦ Informative essays, complex topics ♦ Reflective narratives	Polished writing for audience ♦ Revising and rewriting ♦ Publishing and updating online ♦ Routine writing	In-depth research projects ♦ Using authoritative sources ♦ Evidence for analysis
GRADE 12	Thorough, evidence-based arguments ♦ Informative essays, complex topics ♦ Reflective narratives	Polished writing for audience ♦ Revising and rewriting ♦ Publishing and updating online ♦ Routine writing	In-depth research projects ♦ Using authoritative sources ♦ Evidence for analysis

Speaking

Listening, group talk and presenting, grade by grade

	LISTENING & GROUP TALK	PRESENTING
KINDERGARTEN	Taking turns ♦ Learning from media ♦ Listening to a speaker	Sharing what you know ♦ Drawings with ideas ♦ Clear full sentences
GRADE 1	Group talks ♦ Learning from media ♦ Telling what speakers say	Facts in order ♦ Pictures in talks ♦ Polite speech
GRADE 2	Group discussions ♦ Facts from videos & talks ♦ A speaker's reasons	Short talks ♦ Drawings & recordings ♦ Proper speech
GRADE 3	Preparing for discussions ♦ Retelling facts from media ♦ Questions about reasons	Facts & reasons ♦ Slides & sounds ♦ Speaking for your audience
GRADE 4	Preparing & building on talk ♦ Explaining media ideas ♦ Evidence & reasons	Research presentations ♦ Charts & media ♦ Formal speech
GRADE 5	Group discussions ♦ Media and visuals ♦ Judging a speaker	Presenting findings ♦ Using visuals ♦ Speaking formally
GRADE 6	Building on ideas ♦ Learning from media ♦ Speaker's reasoning	Presenting with evidence ♦ Visual displays ♦ Formal English
GRADE 7	Collaborative discussions ♦ Evaluating diverse media ♦ Speaker's evidence	Organizing a presentation ♦ Using digital media ♦ Adapting your speech
GRADE 8	Preparing for discussion ♦ Comparing media formats ♦ Spotting weak reasoning	Presenting reasoning clearly ♦ Displaying data visually ♦ Speaking for your audience
GRADE 9	Discussions that build ideas ♦ Integrating media sources ♦ Evaluating a speaker's argument	Presenting claims and evidence ♦ Digital media in talks ♦ Formal and informal speech
GRADE 10	Leading discussions ♦ Evaluating media sources ♦ Speaker's use of rhetoric	Presenting a clear argument ♦ Data displays ♦ Matching speech to purpose
GRADE 11	Collaborative discussions ♦ Weighing information in media ♦ Analyzing rhetoric and evidence	Presenting with style ♦ Strategic digital media ♦ Command of formal English
GRADE 12	Discussions that advance ideas ♦ Synthesizing media ♦ Evaluating a speaker's argument	Persuasive presentations ♦ Digital media and data ♦ Adapting to any audience

Science

What your child learns in science, Kindergarten through Grade 12

	EARTH & SPACE	LIFE SCIENCE	PHYSICAL SCIENCE	ENGINEERING & DESIGN
KINDERGARTEN	Plant and animal homes ♦ Weather patterns	Plant and animal needs	Sunlight and warmth ♦ Pushes and pulls ♦ Testing designs	—
GRADE 1	Sun, moon and stars ♦ Changing daylight	Parents and offspring ♦ Copying nature	Sound and vibrations ♦ Light and seeing ♦ Blocking light	—
GRADE 2	Sun, moon and star cycles ♦ Land and water shapes	Living things nearby ♦ Plant growth	Sorting materials ♦ Best material for a job ♦ Taking things apart	Spotting problems ♦ Shape and function ♦ Comparing designs
GRADE 3	Weather charts ♦ World climates ♦ Fixing environmental problems	Animal groups ♦ Inherited traits ♦ Life cycles ♦ Fossils ♦ Survival differences ♦ Changing habitats	Balanced and unbalanced forces ♦ Predicting motion ♦ Magnets and static	Defining a problem ♦ Comparing solutions ♦ Fair tests
GRADE 4	Energy and resources ♦ Natural hazards ♦ Rock layers ♦ Sun, moon and star paths	Body parts and survival ♦ Senses and the brain	Speed and energy ♦ Energy transfer ♦ Collisions ♦ Waves	—
GRADE 5	Star brightness ♦ Shadows and sky patterns ♦ Protecting Earth's resources	Matter cycles ♦ How plants grow	Tiny particles of matter ♦ Dissolving rates ♦ Identify materials ♦ Gravity pulls down	—
GRADE 6	Water on Earth ♦ Earth-sun-moon system ♦ Causes of seasons	Cells ♦ Body systems ♦ Ecosystem interactions ♦ Energy and matter flow ♦ Biodiversity	Thermal energy transfer ♦ Forces and motion ♦ Waves and signals	Define design problems ♦ Compare solutions ♦ Test and improve designs
GRADE 7	Earth-sun-moon system ♦ Solar system scale	Cell function ♦ Photosynthesis and respiration ♦ Body systems	Chemical reactions ♦ Synthetic materials ♦ Electromagnetism	—
GRADE 8	Earth-sun-moon system ♦ Gravity in space ♦ Changing Earth's surface	Fossil record ♦ Cell theory ♦ Growth factors	Kinetic energy ♦ Energy transfer ♦ Electromagnetism	—
GRADE 9	—	Natural selection ♦ Ecosystem cycles ♦ Body organization ♦ DNA and heredity	—	—
GRADE 10	—	—	Chemical reactions ♦ Periodic table patterns ♦ Electric forces ♦ Nuclear changes	—
GRADE 11	—	—	Energy conversion ♦ Newton's laws and gravity ♦ Nuclear processes ♦ Electromagnetic waves	Global challenge criteria ♦ Design complex solutions ♦ Evaluate trade-offs ♦ Computer simulation
GRADE 12	Climate and carbon ♦ Human impact ♦ Plate tectonics ♦ Stars and orbits ♦ Earth systems and weather	—	—	—

History

What your child learns in history, geography and civics, Kindergarten through Grade 12

	HISTORY & CULTURE	GEOGRAPHY & MAPS	CIVICS & GOVERNMENT	ECONOMICS
KINDERGARTEN	Time and stories ♦ Family traditions ♦ American symbols and holidays ♦ Washington and Lincoln ♦ Native American peoples ♦ Columbus and Pilgrims	Position words ♦ Land, water and maps ♦ Home to country ♦ Seven continents	Home rules ♦ Good citizens ♦ Laws and safety ♦ Leaders ♦ What makes a country	—
GRADE 1	Mesopotamia ♦ Ancient Egypt ♦ Pilgrims and colonies ♦ Native nations ♦ Maya, Aztec, Inca, Mexico ♦ American Revolution ♦ Lewis and Clark	Continents and oceans ♦ Map keys and directions	Local to national leaders ♦ Pledge and symbols ♦ How countries begin ♦ Choosing leaders	—
GRADE 2	Ancient India ♦ Ancient China ♦ Ancient Greece ♦ Moving west ♦ Civil War ♦ Immigration ♦ War of 1812	Early river civilizations ♦ U.S. map skills ♦ Mapping the Americas	Democracy ♦ Rights and responsibilities ♦ Constitution and branches	—
GRADE 3	Ancient Rome ♦ Byzantine Empire ♦ Native nations by region ♦ Vikings ♦ Exploring North America ♦ Colonial regions ♦ Timelines and sources	Hemispheres and grids ♦ Landforms and waters ♦ Great rivers ♦ Canada	Declaration of Independence ♦ Local and state government	—
GRADE 4	Chinese dynasties ♦ Medieval Europe ♦ Rise of Islam ♦ West African kingdoms ♦ American Revolution ♦ Writing the Constitution ♦ Early republic	World regions ♦ Changing environments ♦ Mountains and coordinates	Bill of Rights ♦ Checks and balances	—
GRADE 5	Explorers, Maya, Aztec, Inca ♦ Renaissance, Reformation ♦ Westward growth, reform ♦ Civil War, industrial era	Exploration routes ♦ Migration and settlement	How the Constitution is amended ♦ Constitutional principles	The Columbian Exchange ♦ Industrial economy and workers
GRADE 6	Mesopotamia and Egypt ♦ Ancient Greece and Rome ♦ India and China ♦ World religions	Five themes of geography ♦ Eastern Hemisphere geography	Early governments ♦ Ancient law codes	Agriculture and the division of labor ♦ Ancient trade and currency
GRADE 7	Medieval Europe, Crusades ♦ Byzantine, Islamic worlds ♦ West Africa, China, Japan ♦ Renaissance, exploration	Medieval trade networks ♦ Regions and cultural diffusion	Medieval governments ♦ Magna Carta and Parliament	Banking, guilds, capitalism ♦ Mercantilism and world trade
GRADE 8	Colonies and Revolution ♦ Constitution debates ♦ Expansion and reform ♦ Civil War and Reconstruction	Geography shaping America ♦ U.S. territorial growth	Bill of Rights and cases ♦ Checks and balances	Economic systems ♦ Slavery and Southern economy
GRADE 9	Scientific Revolution, Enlightenment ♦ Industrial Revolution ♦ Nationalism and imperialism ♦ World War I	Changing world map ♦ Resources and industrialization	Modern political ideologies	Industrial capitalism and labor
GRADE 10	Depression and dictators ♦ World War II, Holocaust ♦ Cold War, decolonization ♦ Globalization	Geopolitics and new nations ♦ Migration, trade, interdependence	International organizations and law	Command vs. market economies
GRADE 11	Gilded Age, Progressives ♦ World wars, Roaring Twenties ♦ Depression, New Deal ♦ Civil Rights, Cold War	Great Migration and immigration	Expanding civil rights and liberties	Government's role in the economy
GRADE 12	Today's world and the information age	Global issues and sustainability ♦ Human geography	Founding ideas ♦ Branches, federalism ♦ Supreme Court cases ♦ Elections, world governments	Supply and demand ♦ GDP, inflation, fiscal policy ♦ International trade ♦ Personal finance