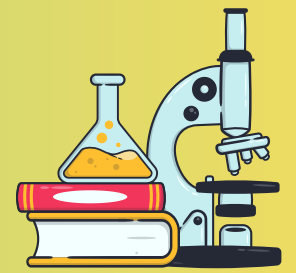




6th Grade Curriculum Snapshot

Quarter 2



English Language Arts

Read and **analyze** texts to identify themes, figurative language, and the author's purpose.

Compare and **contrast** texts to explore different perspectives and cultural experiences.

Develop informative and comparative essays, learning how to plan, draft, revise, and publish strong written pieces that include evidence and a clear structure.

Enhance vocabulary and grammar skills by studying word patterns, relationships, and sentence structures.

Math

Explore area and geometry by learning how to find the area of parallelograms, triangles, and trapezoids, and by identifying polygons and quadrilaterals.

Discover volume and surface area, calculating how much space rectangular and triangular prisms can hold.

Review key measurement concepts, connecting area and volume to real-world objects like buildings, boxes, and playgrounds.

Use ratio tables and graphs to model proportional reasoning and recognize patterns visually.

Science

Investigate atmospheric and oceanic circulations, exploring how they affect weather and climate patterns.

Identify the interconnected systems of Earth, including the atmosphere, water, and land, and how changes in one system affect another.

Conduct hands-on STEM investigations, such as building air-powered launchers, exploring density through simple labs, and testing the impact of forces through marble run and balloon experiments.

Analyze data and draw conclusions from experiments to explain natural phenomena and human impact on the planet.

Social Studies

Explore various empires and discover how their leaders helped shape government, law, and culture in the ancient world.

Study Ancient Persia and its context, learning how geography, leadership, and innovation helped build one of history's most powerful empires.

Investigate early civilizations in the Americas, understanding how different societies adapted to their environments and developed unique cultures.

Analyze the geography and early settlement of Egypt, exploring how the Nile River and surrounding landforms supported farming, trade, and community growth.



7th Grade Curriculum Snapshot

Quarter 2



English Language Arts

Read and **analyze** texts to explore perseverance, media influence, and achievement.

Explore grammar skills, including subject-verb agreement, pronouns, adjectives, and adverbs to improve sentence accuracy and flow.

Write argumentative and informative paragraphs, organizing ideas with evidence and reasoning.

Apply modifiers correctly to enhance clarity and precision in writing.

Engage in vocabulary development through word relationships and contextual understanding.

Math

Classify and measure angles, including complementary and supplementary pairs, to understand relationships in geometric figures.

Identify and **analyze** triangles, exploring how their sides and angles relate to one another.

Measure and **calculate** circles, learning how to find circumference and area using (pi) and real-world examples.

Find the volume of prisms and pyramids, connecting 3D geometry to real-life objects like buildings and packaging.

Apply ratio and proportional reasoning, using rates, complex fractions, and unit conversions to solve everyday problems.

Science

Investigate properties and changes of matter, including how materials react chemically and physically.

Explore synthetic materials and their social and environmental impacts.

Examine the structure and function of cells, discovering how living systems are organized and sustained.

Conduct STEM labs, such as density and power experiments using Snap Circuits, Air-Powered Launchers, and 3D Marble Run Challenges.

Social Studies

Explore the culture and kingdoms of West Africa, focusing on how geography, trade, and community shaped the rise of powerful civilizations.

Investigate the roots of early West African societies, learning how ironworking, farming, and trade routes helped small villages grow into thriving towns.

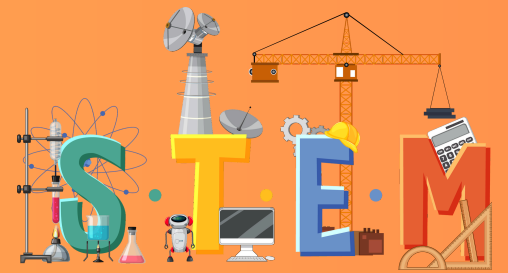
Examine art, music, education, and architecture, understanding how these cultural traditions reflected the values and beliefs of the people.

Analyze the social and economic systems that supported the growth of powerful kingdoms and promoted the exchange of ideas and goods.



8th Grade Curriculum Snapshot

Quarter 2



English Language Arts

Explore what makes mysteries exciting and previewing key texts and vocabulary.

Develop inference and analysis skills, identifying theme, character motivation, and textual evidence through group discussions and close readings.

Plan and **write** an original mystery story, using techniques like foreshadowing, pacing, and descriptive language to build suspense.

Write an argumentative essay, exploring the question “Can solving mysteries teach us about ourselves?” and supporting claims with logical evidence.

Math

Explore equations and systems to understand how variables interact and can be represented graphically.

Examine linear relationships and proportional functions to solve multi-step real-world problems.

Apply geometric reasoning to analyze shapes, transformations, and the Pythagorean Theorem.

Use algebraic models to explain patterns and solve equations efficiently.

Strengthen mathematical communication by interpreting graphs, creating visual representations, and explaining reasoning both verbally and in writing

Science

Study electromagnetic forces and how they influence motion and energy transfer.

Investigate light and waves, exploring how they travel, reflect, and carry information.

Explore information technologies and their scientific foundations.

Explore earth’s geologic time to understand how changes occur over millions of years.

Participate in engaging STEM labs, including Density Towers, Snap Circuits, Air-Powered Launchers, and Balloon Rocket Experiments to connect concepts with hands-on discovery.

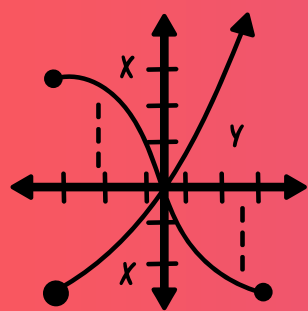
Social Studies

Examine how geography, mountains, seas, and islands—shape settlement, trade, and cultural growth.

Study the rise of city-states such as Athens and Sparta, exploring their systems of government and society.

Compare forms of government including monarchy, oligarchy, tyranny, and democracy, and analyze how these influenced modern systems.

Connect Greek achievements in art, philosophy, and mythology to today’s world.



9th Grade Curriculum Snapshot

Quarter 2



English Language Arts

Analyze story elements and structure, discussing how authors develop theme, character, and conflict.

Develop arguments and claims, using textual evidence and reasoning to support opinions.

Strengthen grammar skills by identifying and using appositives, modifiers, and correct punctuation.

Build vocabulary and apply it across reading and writing tasks.

Engage in comparative and dramatic writing, expressing perspective and tone effectively.

Algebra 1

Solve equations involving variables on both sides and with absolute values.

Graph linear functions and interpret their real-world meaning.

Explore slopes and intercepts, learning to write equations in slope-intercept and point-slope form.

Apply geometry concepts to find parallel and perpendicular lines.

Connect algebra and geometry by analyzing relationships between equations and their graphs.

Biology

Study cell biology, exploring the structure and function of animal and plant cells.

Identify and **describe** cell organelles and their roles in maintaining life.

Examine key biological processes such as photosynthesis, cellular respiration, and energy flow within ecosystems.

Conduct hands-on labs to investigate density, circuits, and chemical energy conversions.

Analyze real-world systems to understand the interdependence of organisms and the environment.

World History

Explore the rise of various empires, learning how trade and military innovation expanded influence.

Study the Renaissance and reformation, examining how new ideas transformed science and art.

Investigate revolutions in Europe and the Americas, analyzing how ideas of freedom and equality shaped the modern world.

Connect industrialization and imperialism, evaluating both progress and inequality in the global age.



10th Grade Curriculum Snapshot

Quarter 2



English Language Arts

Analyze arguments and claims in persuasive essays and speeches.

Write rhetorical and argumentative essays, building logical reasoning and strong thesis statements.

Strengthen grammar and style through practice with verb phrases, participles, and non-essential elements.

Develop public-speaking skills in group oral projects focused on research and advocacy.

Complete a research writing project to apply academic inquiry, citation, and synthesis skills.

Geometry

Explore two- and three-dimensional figures, identifying shapes, edges, faces, and cross-sections to understand spatial relationships.

Analyze parallel lines and transversals, using angle relationships to solve geometric problems and prove properties.

Investigate transformations, including reflections and rotations, to describe symmetry and movement of figures on a coordinate plane.

Study the properties of triangles, focusing on angles, side lengths, and conditions for congruence.

Prove triangle congruence and apply these proofs to real-world and mathematical problems.

Chemistry

Explore ionic bonds and compounds, learning how atoms transfer electrons to form stable chemical structures such as salts.

Investigate covalent bonding, understanding how atoms share electrons to create molecules and everyday substances.

Examine different types of chemical reactions, identifying evidence of reactions through color change, temperature shift, gas formation, or precipitate.

Write and balance chemical equations, showing how matter is conserved in every reaction.

Geography

Analyze physical and political maps to understand geography, climate, and natural resources.

Explore how geography shapes economies and societies, focusing on trade, agriculture, and migration.

Study modern issues such as desertification, deforestation, and urbanization.

Examine global interdependence, understanding how environment, politics, and culture interact in today's world.

Investigate government systems and civic responsibilities, connecting regional challenges to global citizenship.



11th

Grade Curriculum Snapshot

Quarter 2



English Language Arts

Study author's purpose and point of view, examining how writers shape messages through tone, structure, and evidence.

Analyze and **discuss** media and drama, and identify how themes of ambition, competition, and power appear in literature and performance.

Strengthen vocabulary and word knowledge, focusing on relationships between words and their meanings.

Write structured argumentative essays, using strong claims, counterarguments, and evidence to support opinions.

Algebra 2

Explore functions and continuity, learning how equations represent real-world relationships.

Study linearity and symmetry, identifying patterns and balancing equations graphically and algebraically.

Graph and **solve** quadratic equations, applying multiple methods including factoring and the quadratic formula.

Apply the quadratic formula and discriminant to analyze and predict the nature of solutions.

Use algebraic models to interpret and solve practical problems involving motion, finance, and design.

Physics

Study motion with constant acceleration, learning how velocity and distance change over time in predictable ways.

Explore free fall, investigating how gravity affects the motion of objects and conducting experiments to measure acceleration due to gravity.

Examine weight and drag force, analyzing how air resistance and gravity interact in real-world situations such as flight and sports.

Investigate mechanics in two dimensions, using vectors and friction to solve problems involving combined forces and directions.

Economics

Describe how markets work by learning how supply and demand determine prices.

Create and **analyze** demand and supply graphs, exploring how shifts occur when conditions change.

Study equilibrium price and quantity, and how they adjust in response to shortages and surpluses.

Examine market structures such as monopoly, oligopoly, and perfect competition, comparing their characteristics.

Analyze business behavior, including how firms compete and respond to changes in demand.



12th Grade Curriculum Snapshot



Grade 12 students follow a more individualized and goal-oriented learning plan that supports their transition beyond school. Their coursework emphasizes independent study, research, and application of skills developed over previous years. Students engage in personalized projects, assessments, and learning pathways that reflect their academic interests, future study goals, and career aspirations.

This approach allows each student to take ownership of their learning, demonstrate mastery across core subjects, and prepare confidently for university, vocational studies, or other post-secondary opportunities.