



7th Grade Curriculum Overview

7th graders engage in a number of core academic classes, including: ELA (8 periods), math (8 periods), science (6 periods), social studies (5 periods), Spanish (3 periods), gym (2 periods), Wingspan Arts (2 periods), W.I.N. (reteaching, intervention, learning lab) (2 periods), Touchstones (1 period), and health (1 period) a week. Once a week, they participate in activities centered around our school's CIRCLE values, social justice, and social emotional wellbeing during the school's "Builder's Block" time.

ELA

Week 1-6	<u>Persepolis</u> / NWT Graphic Novel/ Thesis Statement/ Grammar and conventions
Weeks 7-10	Punk Rock/ Protest Posters/ RST Disney STEAM project/ Annotated Bibliography/ Grammar and conventions
Weeks 11-16	<u>House on Mango Street</u> / NWT Coming of Age Vignettes/ Grammar and conventions
Weeks 17-22	<u>The Other Boy</u> / LAT Movie trailers/songs creation/ Grammar and conventions
Weeks 23-28	<u>Fahrenheit 451</u> / RST Meme Essay/ NJSLA (New Jersey Standards of Learning Assessment Prep/ Grammar and conventions
Weeks 29-32	Poetry/ MS Poetry Slam/ Figurative Language NJSLA (New Jersey Standards of Learning Assessment Prep/ Grammar and conventions
Weeks 33-40	Native American Art and Literature/ Living art recreation/ Native American Reflection Essay/ Grammar and conventions

Math

Week 1-12	Understanding rational numbers: Operations with rational numbers, Absolute Value, Order of Operations, Properties (Distributive, Commutative, and Associative), Models, number lines and inequalities
Weeks 13-17	Expressions and Equations: Similarity and ratios, Understand properties of polygons, Symmetry of polygons - rotations/reflections, Understand relationships among angles (parallel/transversal), Construct polygons (special properties: angle sum, side length, symmetry).
Weeks 18-22	Ratios and Proportional Relationships: Enlarging and reducing shapes, Similar figures, Scaling perimeter and area, Construct polygons (special properties: angle sum, side length, symmetry)

Weeks 23-29	Unit Rates and Proportions: Analyze comparison statements for correctness and qualities, Use ratios, rates, and percent to write comparison statements, Distinguish between and use part to part and part to whole ratios to make comparison, Scale a ratio, rate, or percent to solve a problem, Set up and solve proportions, Find unit rates and use them to solve problems, Recognize proportional situations from a table, graph, or equation, Connect a unit rate and a constant of proportionality to a table, graph, or equation representing a situation
Weeks 30-32	Linear Relationships: Rate of change, Slope-intercept form/graphing, Solving equations/connecting rates and ratios
Weeks 33-37	Probability: Use strategies for identifying possible outcomes and analyzing probability, such as using lists or tree diagrams, Develop two kinds of probability models (experiment probability and theoretical probability), binomial outcomes, Interpret statements of probability to make decisions and answer questions.
Weeks 38-40	Geometry: Three-Dimensional shapes and volume (prisms, cylinders, pyramids, cones, and spheres), Finding surface areas and circumference of a circle, Explore patterns relating the volume of prisms, cylinders, cones, spheres, and pyramids, Recognize and solve problems involving volume and surface area

Science

Week 1-7	Data analysis and measurement: Qualitative and quantitative data/ scientific method/ lab reports/ data and data tables/ metric system/ -measures of central tendency (mean, mode, median)/ bar vs. line graphs
Weeks 8-16	Characteristics of Life: Life processes / cell theory/ plant and animal cells/ compound light microscope/ taxonomy/ binomial nomenclature/ bacteria and viruses
Weeks 17-25	Genetics: Genes and chromosomes/ dominant and recessive traits/ genotype and phenotype/ Punnett Squares/ phases of the Cell Cycle/ mutations/ genetic engineering/ Mendelian genetics
Weeks 26-33	Living Things: Invertebrates / vertebrates/ ecosystems/ populations & communities
Weeks 34-40	Ecology and Environmental Issues: Identify the different biomes found on the planet, tundra, jungle, forest/ understand how energy flows from organism to organism in a food pyramid/ calculate population density/ understanding and graphing data related to predator prey relationships.

Social Studies

Week 1-4	Unit #1: Fall of the Roman Empire: Overview of invasions by Barbarian tribes, Economic troubles, and overreliance on slave labor, Overexpansion and Military Spending, and Government corruption and political instability.
Weeks 5-9	Unit #2: The Middle Ages: Explore the meaning of the “Middle Ages,” the geography of Europe at this time, and how land and power were divided under the system of feudalism. Discover how the manor system worked and what life was like for peasants and serfs.

	Investigate the forces that led to nation building in Europe and conclude how the Hundred Years' War affected England and France.
Weeks 10-18	Unit #3: The Renaissance, Reformation, and Enlightenment: Describe the characteristics of the Renaissance, Identify Renaissance artists, Explain how the printing revolution shaped European society, Describe the themes that northern artists, humanists, and writers explored, Summarize the factors that encouraged the Protest Reformation.
Weeks 19-26	Unit #4: Islam: Students consider the introduction of new goods and materials into different parts of the world through trade, travel and conquest. Examine the Crusades through the lens of the economic interests of the Europeans.
Weeks 27-40	Unit #6: China & Japan: Understand the state of wealth and development around the globe today, industrialization and imperialism are the two most important topics/concepts in Modern World History. Understand rapid modernization and militarization. Recognize China and Japan's differences in their responses to European imperialism.

Spanish

Week 1-7	Unit 1: Vamos A Trabajar!: Body parts, family, food, country/capitals, fitness/sports, jobs/career, Verbs: Ser/Estar, Tu/Usted, Infinitive Verbs (ar, er, ir), Gustar, Viajar, Jugar
Weeks 8-17	Unit 2: Felices Fiestas: Day of the Dead, Pronouns (Ser/Estar), Adjectives, Telling Time, Calendar, Holidays
Weeks 18-23	Unit 3: Animales y Insectos: Verbs (Usted/Tu), Insects, Animals, Zoo exhibits
Weeks 24-29	Unit 4: Explora La Galaxia: Irregular verbs, planets
Weeks 30-34	Unit 5: Nuestra Bandera: Grammar, culture (Mayans, Aztecs, and Incas), flags, nationalities
Weeks 35-40	Unit 6: Leyendo Fábulas: Grammar, fables

Health

Week 1-6	Media Literacy
Weeks 7-10	Nutrition: Nutritional plan, health conditions, diseases, and medicine
Weeks 7-10	Alcohol, Tobacco, and Other Drugs: Mental, emotional, and social impact, myths vs. facts, war on drugs
Weeks 11-13	Personal Growth and Development: changes in puberty and adolescents, mental health
Weeks 14-18	Decision Making: Peer pressure, 6 step decision making model, stress, focus, study habits, long and short term goals
Weeks 19-23	Social Health: Identity, personal safety, first aid, conflict resolution

Weeks 24-28	Bullying: Understanding different cultures, races, orientations, gender, etc., empathy, upstander, cyber safety
Weeks 29-33	Human Rights: Civic responsibilities, Rights in culture, language, and customs, stereotypes
Weeks 34-40	Capstone Project: Capstone project, reflection, and celebrations