

Spring Woods Middle School 7th grade Essential Standards

2020-2021

ELA

- 7.9A Author's Purpose: Explain the author's purpose and message
- 7.7 Character Plot and Setting: Analyze plot elements, including the use of foreshadowing and suspense, to advance the plot
- 7.10Di-viii Editing and Grammar: Edit drafts using standard English conventions
- 7.7A Theme: Infer multiple themes within and across texts using text evidence
- 7.5 A-I Comprehension Skills - focus on text features /organizational patterns /design of a nonfiction text and narrative texts
- 7.7B, D Character/Plot/Setting
- 7.8D Multiple Genres: Informational Features-Thesis & Organizational Patterns
- 7.9A-B Purpose/Organizational Structure
- 7.9D Purpose/Figurative Language
- 7.9E Literary Devices-Points of View
- 7.9F Purpose/Diction
- 7.10A, B, C Writing Process: Plan a draft/develop a draft/revise a draft
- 7.11A, B, C Composing Literary texts/Informational Texts/Argumentative Texts

Math

- 7.3B Solve problems using addition, subtraction, multiplication, and division of rational numbers
- 7.4D Solve problems involving ratios, rates, and percents, including percent increase and decrease
- 7.5C Solve problems involving similar shape and scale drawings
- 7.6G Solve problems using data represented in bar graphs, dot plots, and circle graphs
- 7.7A Represent linear relationships using verbal descriptions, tables, graphs, and equations
- 7.9A Solve problems involving the volume of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids
- 7.9B Determine the circumference and area of circles
- 7.9C Determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles
- 7.11A Model and solve one-variable, two-step equations and inequalities
- 7.12A Compare two groups of numeric data using comparative dot plots or box plots

Science

- 7.5A Recognize that radiant energy from the Sun is transformed into chemical energy through the process of photosynthesis
- 7.5C Diagram the flow of energy through living systems, including food chains, food webs, and energy pyramids
- 7.6B Distinguish between physical and chemical changes in matter in the digestive system
- 7.7B Illustrate the transformation of energy within an organism such as the transfer from chemical energy to heat and thermal energy in digestion
- 7.11B Explain variation within a population or species by comparing external features, behaviors, or physiology of organisms that enhance their survival such as migration, hibernation, or storage of food in a bulb
- 7.12A Investigate and explain how internal structures of organisms have adaptations that allow specific functions such as gills in fish, hollow bones in birds, or xylem in plants
- 7.12D Differentiate between structure and function in plant and animal cell organelles, including cell membrane, cell wall, nucleus, cytoplasm, mitochondrion, chloroplast, and vacuole
- 7.14B Compare the results of uniform or diverse offspring from sexual reproduction or asexual reproduction
- 7.12B Identify the main functions of the systems of the human organism, including the circulatory, respiratory, skeletal, muscular, digestive, excretory, reproductive, integumentary, nervous, and endocrine systems
- 7.12C Recognize levels of organization in plants and animals, including cells, tissues, organs, organ systems, and organisms
- 7.12E Compare the functions of a cell to the functions of organisms such as waste removal
- 7.14C Recognize that inherited traits of individuals are governed in the genetic material found in the genes within chromosomes in the nucleus

Social Studies

- 7.4B Analyze the causes of and events leading to the Texas annexation such as security and public debt.
- 7.4C Identify individuals, events, and issues during early Texas statehood, including the US-Mexican War, the Treaty of Guadalupe-Hildago, slavery and the Compromise of 1850
- 7.5A Explain reasons for the involvement of Texas in the Civil War such as states' rights, slavery, sectionalism, and tariffs
- 7.5B Explain the central role the expansion of slavery played in the involvemet of Texas in the Civil War
- 7.5C Explain the political, economic and social effects of the Civil War and Reconstruction in Texas
- 7.6D Explain the political, economic and social impact of the agricultural industry and the development of West Texas resulting from the close of the frontier
- 7.7A Explain how the oil industry led to the industrialization of Texas
- 7.13A Identify how the Texas Constitution reflects the principles of limited government, republicanism, checks and balances, federalism, separation of powers, popular sovereignty and individual rights
- 7.13B Compare the principles & concepts of the Texas Constitution of the US Constitution, including the Texas and US Bill of Rights
- 7.15B Explain civic responsibilities of Texas citizens and importance of civic participation