

Spring Woods Middle School 8^h grade Essential Standards

2020-2021

ELA

- 8.7B Character Motivation and change
- 8.11B Compose informational text
- 8.9D, F Purpose of Figurative Language and mood/tone
- 8.9A, B Author's purpose and organizational structure
- 8.5 A-I Comprehension Skills - focus on text features /organizational patterns /design of a nonfiction text and narrative texts
- 8.7A Theme: analyze how themes are developed through the interaction of characters and events
- 8.7C, D Character/Plot/Setting
- 8.8D Analysis of Informational Texts: Controlling idea (thesis)/Text Features/Organizational Patterns
- 8.9E Author's Craft-Points of view and irony
- 8.10A-D Writing Process: Plan a draft/develop a draft/revise a draft and Editing/Grammar
- 8.11A, C Composing Literary texts/Informational Texts/Argumentative Texts

Math

- 8.2D Order a set of real numbers.
- 8.4B Graph proportional relationships, interpreting the unit rate as the slope of the line that models the relationship.
- 8.4C Use data from a table or graph to determine the rate of change or slope and y-intercept.
- 8.5D Represent linear non-proportional situations with tables, graphs, and equations.
- 8.5G Identify functions using sets of ordered pairs, tables, mappings, and graphs.
- 8.5I Write an equation in the form $y=mx+b$ to model a linear relationship between two quantities using verbal, numerical, tabular, and graphical representations.
- 8.7A Solve problems involving the volume of cylinders, cones, and spheres.
- 8.7C Use the Pythagorean Theorem and its converse to solve problems.
- 8.8C Model and solve one-variable equations with variables on both sides of the equal sign using rational number coefficients and constants.
- 8.10C Explain the effect of translations, reflections over the x- and y- axis, and rotations limited to 90° , 180° , 270° , and 360° .

Science

- 8.5A Atomic Structure
- 8.5B Protons – Identity / Valence Electrons - Reactivity
- 8.5C Patterns in the Periodic Table
- 8.5D Chemical formulas – Counting Atoms and Elements, subscripts
- 8.6A Unbalanced forces change speed and direction / Calculating Force with emphasis on $F=ma$
- 8.6C Application of Newton's Laws (Law 1,2,&3)
- 8.7A Day/Night (rotation) and Seasons (revolution)
- 8.7B Sequence of Lunar cycle – Sun, Earth, Moon locations
- 8.8A Components of the Universe - Galaxies, Life Cycle Stars, H-R Diagram classifications
- 8.9 B Plate tectonics – Formation of Crustal Features
- 8.11B Short-Term / Long-Term Environmental Changes that affect organisms and traits

Social Studies

- 8.1A Identify the major eras in U.S. history through 1877, including colonization, revolution, creation and ratification of the Constitution, early republic, the Age of Jackson, westward expansion, reform
- 8.1B Explain the significance of the following dates: 1607, founding of Jamestown; 1620, arrival of the Pilgrims and signing of the Mayflower Compact; 1776, adoption of the Declaration of Independence; 1787, writing of the U.S. Constitution; 1803, Louisiana Purchase; and 1861-1865, Civil War.
- 8.2B Compare political, economic, religious, and social reasons for the establishment of the 13 English colonies.
- 8.3B Analyze the importance of the Mayflower Compact, the Fundamental Orders of Connecticut, and the Virginia House of Burgesses to the growth of representative government
- 8.4A Analyze causes of the American Revolution, including the Proclamation of 1763, the Intolerable Acts, the Stamp Act, mercantilism, lack of representation in Parliament, and British economic policies following the French and Indian War
- 8.4C Explain the issues surrounding important events of the American Revolution, including declaring independence; fighting the battles of Lexington and Concord, Saratoga, and Yorktown; enduring the winter at Valley Forge; and signing the Treaty of Paris of 1783
- 8.15D Analyze how the U.S. Constitution reflects the principles of limited government, republicanism, checks and balances, federalism, separation of powers, popular sovereignty, and individual rights
- 8.16B Describe the impact of the 13th, 14th, and 15th amendments.
- 8.19B Summarize rights guaranteed in the Bill of Rights
- 8.23B Explain how urbanization contributed to conflicts resulting from differences in religion, social class, and political beliefs