

First Nine Weeks

Week(s)	Topics & Objectives	Standards
1	Units, Measurements, and Graphs	1. Design and conduct a scientific investigation utilizing appropriate process skills and technology. c. Collect and display data using simple tools and resources to compare information (using standard, metric, and non-standard measurement). (DOK 2) d. Organize data in tables and graphs and analyze data to construct explanations and draw conclusions. (DOK 3) e. Communicate results of scientific procedures and explanations through a variety of written and graphic methods. (DOK 2) f. Explain how science and technology are reciprocal. (DOK 1) h. Make relationships between evidence and explanations. (DOK 2)
2	Atoms and Bonding	2. Develop an understanding of chemical and physical changes, interactions involving energy, and forces that affect motion of objects. a. Identify patterns (e.g., atomic mass, increasing atomic numbers) and common characteristics (metals, nonmetals, gasses) of elements found in the periodic table of elements. (DOK 2) 2010 Mississippi Science Framework Approved July 25, 2008 48
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5	Chemical Reactions	2. Develop an understanding of chemical and physical changes, interactions involving energy, and forces that affect motion of objects. b. Categorize types of chemical changes, including synthesis and decomposition reactions, and classify acids and bases using the pH scale and indicators. (DOK 2)
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8	Review Units, Measurements, Graphs, Atoms, Bonding, and Chemical Reactions	1. Design and conduct a scientific investigation utilizing appropriate process skills and technology. c. Collect and display data using simple tools and resources to compare information (using standard, metric, and non-standard measurement). (DOK 2) d. Organize data in tables and graphs and analyze data to construct explanations and draw conclusions. (DOK 3) e. Communicate results of scientific procedures and explanations through a variety of written and graphic methods. (DOK 2) f. Explain how science and technology are reciprocal. (DOK 1) h. Make relationships between evidence and explanations. (DOK 2) 2. Develop an understanding of chemical and physical changes, interactions involving energy, and forces that affect motion of objects.
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Second Nine Weeks		
Week(s)	Topics & Objectives	Standards
10	Solar System/Planets	4. Describe the properties and structure of the sun and the moon with respect to the Earth. f. Distinguish the structure and movements of objects in the solar system. (DOK 2)
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15	Work and Machines	2. Develop an understanding of chemical and physical changes, interactions involving energy, and forces that affect motion of objects. c. Compare the force (effort) required to do the same amount of work with and without simple machines (e.g., levers, pulleys, wheel and axle, inclined planes). (DOK 2)
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17	Review Solar System/Work and Machines	2. Develop an understanding of chemical and physical changes, interactions involving energy, and forces that affect motion of objects. c. Compare the force (effort) required to do the same amount of work with and without simple machines (e.g., levers, pulleys, wheel and axle, inclined planes). (DOK 2) 4. Describe the properties and structure of the sun and the moon with respect to the Earth. f. Distinguish the structure and movements of objects in the solar system. (DOK 2)
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