

**MASCOUTAH COMMUNITY SCHOOL DISTRICT #19**

Teacher: Amann and Jackson

Grade: 6th

Subject: Science

Year: 2017-2018

Month	Content	Skills	Assessments	Standards
<b>August</b>  <b>Plate Tectonics</b>	Vocabulary  Comprehension  Movement of tectonic plates causes geologic changes on the Earth.	Develop understanding of words associated with plate tectonic movements.  Apply theory of plate tectonics to the changing Earth.  Apply theory of continental drift to the movement of the plates.	Section quizzes (h/w) Lab Experiments Chapter test	MS-ESS1-4 MS-ESS2-2 MS-ESS2-3 MS-ESS2-6 RST.6-8.1 RST.6-8.7 RST.6-8.9 WHST.6-8.2 SL.8.5
<b>September</b>  <b>Earthquakes</b>	Vocabulary  Comprehension  Earthquakes release stress that has built up in rocks.  Modern technology reduces damage to	Develop understanding of terminology associated with the concept that earthquakes release stress that has built up in rocks.  Demonstrate understanding of the processes related to earthquakes.  Identify stress points and how they build up.  Identify structural devices to reduce earthquake damage.	Section quizzes (h/w) Labs Chapter test	MS-ESS2-2 MS-ESS3-2 ESS3.B RST.6-8.1 RST.6-8.7 RST.6-8.9

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	new and existing structures.			
<b>October</b>  <b>Volcanoes and Mountains</b>	Vocabulary  Comprehension  Mountains and volcanoes form as tectonic plates move.	Develop understanding of terminology related to mountains, volcanoes, and their formation.  Describe and demonstrate how the movement of tectonic plates forms mountains and volcanoes.  Identify how mountains and volcanoes form as a result of tectonic plate movement.	Section quizzes (h/w) Labs Chapter test	MS-ESS1-4 MS-ESS2-2 MS-ESS2-3 MS-ETS1-1 MS-ETS1-4 RST.6-8.1 RST.6-8.7 RST.6-8.9 WHST.6-8.2 SL.8.5 MP.2
<b>November</b>  <b>The Water Planet and Freshwater Resources</b>  <b>Ocean Systems and Ocean Environments</b>	Vocabulary  Comprehension  Water moves through Earth's atmosphere, oceans, and land in a cycle.  The oceans are a connected system of water in motion.	Develop an understanding of the terminology used to describe the water cycle.  Communicate effectively how the water cycle and ocean currents affect Earth's weather and climate.  Demonstrate how the water cycle and ocean currents affect Earth's weather and climate.  Explain that freshwater is a nonrenewable resource.	Note Taking Strategies Section quizzes (h/w) Labs Chapter test	MS-ESS3-1 MS-ESS3-3 MS-ESS2-4 MS-ESS3-5 ESS2.C ESS2.D ESS3.A ESS3.C RST.6-8.1 RST.6-8.7 WHST.6-8.2 WHST.6-8.7 WHST.6-8.8

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	<p>The ocean supports life and contains natural resources.</p> <p>Fresh water is a limited resource and is essential for human society.</p>	<p>Develop understanding of terminology associated with currents, tides, and environments.</p> <p>Discuss oceans currents, tides, and environments.</p> <p>Describe how oceans are a connected system and moves in currents.</p> <p>Present evidence of natural resources claimed from the ocean.</p>		
<p><b>December</b></p> <p><b>Climate, Weather, and Extreme Weather</b></p>	<p>Vocabulary</p> <p>Comprehension</p> <p>Weather and climate impact our daily lives.</p>	<p>Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.</p> <p>Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.</p> <p>Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.</p>	<p>Research</p> <p>Participation</p> <p>Presentations</p>	<p>MS-ESS2-5</p> <p>MS-ESS2-6</p> <p>MS-ESS3-2</p> <p>MS-ESS3-3</p> <p>RST.6-8.1</p> <p>RST.6-8.9</p> <p>WHST.6-8.9</p> <p>SL.8.5</p> <p>MP.2</p> <p>6.NS.C.5</p>

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<p><b>January</b></p> <p><b>Introduction to Matter and Properties of Matter</b></p>	<p>Vocabulary</p> <p>Comprehension</p> <p>Everything that has mass and takes up space is matter.</p> <p>Matter has properties that can be changed by physical processes.</p>	<p>Develop understanding of terminology related to mass, volume and density as well as the states and properties of matter.</p> <p>Apply the metric system to measuring mass and volume.</p> <p>Identify and describe the various states, physical properties, and physical changes of matter.</p> <p>Describe and demonstrate that all matter has mass and takes up space.</p> <p>Identify physical properties of matter.</p>	<p>Section quizzes (h/w)</p> <p>Labs</p> <p>Chapter test</p>	<p>MS-PS1-1</p> <p>MS-PS1-3</p> <p>RST.6-8.1</p> <p>RST.6-8.7</p> <p>WHST.6-8.8</p> <p>MP.2</p>
<p><b>February</b></p> <p><b>Energy and Atomic Structure and the Periodic Table</b></p>	<p>Vocabulary</p> <p>Comprehension</p>	<p>Develop understanding of various energy types and atomic structure.</p> <p>Demonstrate different forms of energy.</p> <p>Create a model of an atom.</p> <p>Read and interpret the periodic table.</p>	<p>Section quizzes (h/w)</p> <p>Labs</p> <p>Chapter test</p>	<p>MS-PS1-1</p> <p>MS-PS1-3</p> <p>MS-PS1-5</p> <p>RST.6-8.1</p> <p>RST.6-8.7</p> <p>WHST.6-8.8</p> <p>MP.2</p>

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	<p>Energy has different forms, but it is always conserved.</p> <p>A substance's atomic structure determines its physical and chemical properties.</p>	<p>Understand energy is never created nor destroyed, only transferred.</p> <p>Describe how physical and chemical properties determine atomic structure.</p>		
<p><b>March</b></p> <p><b>Chemical Interactions</b></p>	<p>Vocabulary</p> <p>Comprehension</p> <p>Atoms make up everything, and elements make up the periodic table.</p> <p>Substances' properties depend on their chemical bonds.</p>	<p>Build and describe the structure of an atom.</p> <p>Understand compounds and create models of compounds and molecules.</p>	<p>Section quizzes (h/w)</p> <p>Labs</p> <p>Chapter test</p>	<p>MS-PS1-2</p> <p>MS-PS1-5</p> <p>MS-PS1-6</p> <p>RST.6-8.1</p> <p>RST.6-8.3</p> <p>RST.6-8.7</p> <p>WHST.6-8.7</p> <p>MP.2</p> <p>MP.4</p> <p>6.SP.B.4</p> <p>6.PS.B.5</p>

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<p><b>April</b></p> <p><b>Chemical Reactions</b></p> <p><b>Motion and Forces</b></p>	<p>Vocabulary</p> <p>Comprehension</p> <p>Mass can neither be created nor destroyed.</p> <p>Speed and acceleration are important aspects of motion.</p>	<p>Describe the Law of Conservation of Mass.</p> <p>Calculate speed and acceleration.</p> <p>Build a model and describe how mass, speed, and acceleration are related.</p>	<p>Section quizzes (h/w)</p> <p>Labs</p> <p>Chapter test</p>	<p>MS-PS3-1</p> <p>MS-PS3-2</p> <p>MS-PS3-3</p> <p>MS-PS3-4</p> <p>MS-PS3-5</p> <p>MS-ESS3-4</p> <p>MS-ETS1-2</p> <p>MS-ETS1-3</p> <p>MS-ETS1-4</p> <p>RST.6-8.1</p> <p>RST.6-8.3</p> <p>WHST.6-8.1</p> <p>WHST.6-8.7</p> <p>MP.2</p>
<p><b>May</b></p> <p><b>Motion and Forces</b></p>	<p>Vocabulary</p> <p>Comprehension</p> <p>Newton's Laws play an important role in understanding motion.</p>	<p>Discuss and demonstrate Newton's three laws of motion.</p> <p>Build a model to show how forces act in pairs.</p>	<p>Section quizzes (h/w)</p> <p>Labs</p> <p>Chapter test</p>	<p>MS-PS2-1</p> <p>MS-PS2-2</p> <p>MS-PS2-4</p> <p>MS-PS2-5</p> <p>RST.6-8.1</p> <p>RST.6-8.3</p> <p>WHST.6-8.1</p> <p>WHST.6-8.7</p> <p>MP.2</p>

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	Forces act in pairs.			