

## Grade 6 Science Curriculum Map

Standards	Content	Skills/Practices	Materials/ Resources	Assessments (All) Daily/Weekly/ Benchmarks	Timeline (Months/Weeks/Days)
MS-ESS2-6 MS-ESS3-1 MS-LS2-2	Earth Systems	<p><b>Cross Cutting Concepts:</b> Cause and Effect Stability and Change Energy and Matter</p> <p><b>Practices:</b> Constructing Explanation Asking Questions Modeling</p> <p><b>Skills:</b> Earth's spheres Earth's interior and layers Convection currents in mantle</p>	<p><b>Materials:</b> Interactive Science Nonfiction texts NewsELA pieces Edpuzzle Quizziz Castle Learning Kahoot</p> <p><b>Exploration Mini Labs:</b> Sand - constructive/destructive forces Object sort - Earth Spheres Inside Earth - Mystery eggs Convection Currents and density</p>	Edpuzzle assignments NewsELA assignments Worksheets Castle Learning Quizziz Unit Exams	3 weeks/ September

MS-ESS2-3 MS-ESS2-1 MS-ESS2-2	Rocks and Plate Tectonics	<b>Cross Cutting Concepts:</b> Cause and Effect Scale Proportion and Quantity Energy and Matter Patterns <b>Practices:</b> Constructing Explanation Designing Solutions Asking Questions Analyzing and Interpreting Data Developing and Using Models <b>Skills:</b> Classifying rocks Metamorphic rocks Igneous rocks Sedimentary rocks Rock cycle Drifting continents Sea-floor spreading Plate Tectonics	<b>Materials:</b> Interactive Science Nonfiction texts NewsELA pieces Edpuzzle Quizziz Castle Learning Kahoot <b>Exploration Mini Labs:</b> Rock Sort Igneous rock - wax lab Metamorphic rock - tootsie roll Sedimentary rock - pbj story Rock Cycle game Crayon Rock Cycle Foam Density Continent Types of plates frosting lab	Edpuzzle assignments NewsELA assignments Worksheets Castle Learning Quizziz Unit Exams Written 2-point response	4 weeks/ October
-------------------------------------	---------------------------------	--	---	---	---------------------

<p>MS-ESS2-2 MS-ESS3-2 MS-ETS1-1 MS-ESS1-3 MS-ESS2-1 MS-ESS2-3</p>	<p>Earthquakes Volcanoes And Mountains</p>	<p><b>Cross Cutting Concepts:</b> Cause and Effect Patterns Structure and Function Systems and system models Scale,Proportion and Quantity <b>Practices:</b> Constructing Explanation Asking Questions Using models Defining Problems Designing Solutions Analyzing Data Engaging in Argument Obtaining, evaluating and communicating information <b>Skills:</b> Earthquakes -waves Volcanoes -type and parts Mountains -types and formation</p>	<p><b>Materials:</b> Interactive Science Nonfiction texts NewsELA pieces Edpuzzle Quizziz Castle Learning Kahoot Assorted Web Sites <b>Exploration Mini Labs:</b> Making earthquake proof houses Making earthquake wave models Parts of a volcano match up Plotting Earthquakes and Volcanoes on a map Play-doh mountains</p>	<p>Edpuzzle assignments NewsELA assignments Worksheets Castle Learning Quizziz Unit Exams Written 2-point response</p>	<p>4-5 weeks/ November and part of December</p>
--	--	--	---	--	---

<p>MS-ESS1-4 MS-ESS2-2 MS-ESS2-3 6R6 MS-ETS1-1 MS-ETS1-2</p>	<p>Earth's History (Winter STEAM activities)</p>	<p><b>Cross Cutting Concepts:</b> Scale, Proportion and Quantity Stability and Change Systems and System Models Patterns Cause and Effect Structure and Function <b>Practices:</b> Developing and Using Models Analyzing and Interpreting Data Using Mathematical and Computational Thinking Obtaining, Evaluating and Communicating Information Engaging in argument from evidence Defining problems  <b>Skills:</b> Earth's history Geologic time scale</p>	<p><b>Materials:</b> Interactive Science Scott Foresman Science Nonfiction texts NewsELA pieces Edpuzzle Quizziz Castle Learning Kahoot Brainpop Classroom <b>Mini Labs:</b> Hallway timeline Adding machine timeline Zip-line Snowman</p>	<p>Edpuzzle assignments NewsELA assignments Worksheets Castle Learning Quizziz Unit Exams Written 2-point response BrainPop quiz</p>	<p>2 weeks/ December</p>
--	--	---	--	--	------------------------------

<p>MS-ESS2-2 MS-ESS2-1 MS-ESS3-1 MS-ESS2-5 MS-ESS3-2 MS-ETS1-1 MS-ESS3-5 MS-ESS2-4 MS-ESS2-6 MS-ESS3-3 MS-ESS3-4</p>	<p>Weather</p>	<p><b>Cross Cutting Concepts:</b> Patterns Cause and Effect Systems and System Models Stability and Change Scale,Proportion and Quantity Energy and Matter Structure and Function <b>Practices:</b> Analyzing and Interpreting Data Asking Questions Constructing Explanations Planning and Carrying Out Investigations Developing and Using Models Defining Problems Mathematics and Computational Thinking <b>Skills:</b> Air on Earth Atmosphere Water on Earth Currents and climate Wind patterns Water in the atmosphere Water Cycle Air pressure Air masses and fronts Clouds Weather tools Precipitation Storms - PBL</p>	<p><b>Materials:</b> National Geo Theme Books Interactive Science Nonfiction texts NewsELA pieces Edpuzzle Quizziz Castle Learning Kahoot Assorted Web Sites <b>Exploration Mini Labs:</b> Amount of air discussion Water Percentages Salinity Lab Condensation Lab Swing Pycrometer Water Cycle Game Reading an Air Pressure Map Interactive Fronts/Masses <b>Projects:</b> Project Based Storm Preparation</p>	<p>Edpuzzle assignments NewsELA assignments Worksheets Castle Learning Quizziz Written 2-point response  -Project Based Storm Preparation Presentation to Elementary students and Board of Education</p>	<p>7 weeks/ January and February</p>
--	----------------	--	--	--	--

<p>ESS1.A.6-8.1  ESS1.B.6-8.1  ESS1.B.6-8.3  ESS1.A.6-8.2  ESS1.B.6-8.2  MS-ESS1-2  MS-ESS1-3  PS2.B.6-8.2  PS2.A.6-8.2</p>	<p>Space</p>	<p><b>Cross Cutting Concepts:</b>  Scale.Proportion and Quantity  Systems and System Models  Patterns  Stability and Change  Cause and Effect  <b>Practices:</b>  Asking Questions  Analyzing and Interpreting  Data  Constructing Explanations  Engaging in Argument  Using Models  Using Mathematics  Communicating Information  <b>Skills:</b>  Planet features  Rotation and revolution  Size of space  Star patterns  Moon phases  Scale Models  Solstice and equinox  Constellations  Objects in the sky  Earth movement  Gravity and inertia</p>	<p><b>Materials:</b>  Interactive Science  Nonfiction texts  NewsELA pieces  Edpuzzle  Quizziz  Castle Learning  Kahoot  Brainpop Classroom  -National Geographic Extra  Large Solar System Map  (game pieces)  -Portable Planetarium  <b>Mini Labs:</b>  Giant Map Lessons  Portable Planetarium  Season Changing Models  Newton’s 1st Magic Trick  Gravity lab</p>	<p>Edpuzzle assignments  NewsELA assignments  Worksheets  Castle Learning  Quizziz  Unit Exams  Written 2-point response  BrainPop quiz</p>	<p>5 Weeks/  March and  April</p>
---	--------------	---	--	---	---

<p>MS-ESS3-1 MS-ESS3-3 MS-ESS3-4 MS-ESS2-5 MS-ESS2-6 MS-ESS3-5 MS-ESS3-2 MS-LS1-6 MS-LS2-5</p>	<p>Energy Conservation and Human Impacts</p>	<p><b>Cross Cutting Concepts:</b> Scale.Proportion and Quantity Systems and System Models Patterns Stability and Change Cause and Effect Energy and Matter <b>Practices:</b> Asking Questions Analyzing and Interpreting Data Constructing Explanations Engaging in Argument Using Models Using Mathematics Communicating Information Conducting Investigations <b>Skills:</b> Fossil fuels Types of Energy Renewable sources of energy Energy use and conservation Causes of climate Climate change Carbon Cycle Environmental issues Conserving land and soil Waste disposal and recycling Air pollution Water pollution</p>	<p><b>Materials:</b> Interactive Science Scott Foresman Science Nonfiction texts NewsELA pieces Edpuzzle Quizziz Castle Learning Kahoot Brainpop Classroom Energy and Conservation Posters Web page - Guide to Global Climate Change <b>Mini Labs:</b> Observing Oil’s Properties Gallery Poster Walk Energy Use Match-up Carbon Posters Cookie Mining Lab Air Pollution Match-up Water Pollution activity</p>	<p>Edpuzzle assignments NewsELA assignments Worksheets Castle Learning Quizziz Unit Exams Written 2-point response BrainPop quiz</p>	<p>6 Weeks/ April and May</p>
--	--	--	--	--	---------------------------------------