

<u>Sample Curriculum Map</u>	<u>Instructional Strategies</u>	<u>Assessment</u>	<u>Projects/Other</u>
<p><u>1st Quarter w/Standard & Timeline</u></p> <p>1. What is Science</p> <ul style="list-style-type: none"> ➤ Types of Science ➤ Difference Between Fact, Theory, Law <p>2. Scientific Method</p> <ul style="list-style-type: none"> ➤ Definition ➤ Steps ➤ Methods of gathering information ➤ Hypothesis ➤ Variable ➤ Control <p>3. Metric System</p> <ul style="list-style-type: none"> ➤ Chart ➤ Conversion ➤ Larger Value ➤ History ➤ Volume of boxed shapes ➤ Volume of irregular shapes ➤ Area ➤ Density ➤ Finding Weight ➤ Finding Mass ➤ Finding Gravitational 		<ul style="list-style-type: none"> ● Reading Inventory for Earth Science ● Creativity, Serendipity, Aha! ● Types of Science Worksheet ● Types of Science Quiz ● Scientific Method Worksheet ● Scientific Method Quiz ● What is Science/ Scientific Method Test ● Metric Conversion, Area, and Volume Worksheet ● Mass vs Weight Worksheet ● Density Practice ● Mass, Weight, Density Quiz ● Metric System Test <ul style="list-style-type: none"> ● Maps the Models Intro ● Maps and Models Term 	<ul style="list-style-type: none"> ● Mission Impossible ● Mission Impossible 2 ● Mission Impossible 3 ● Exploring the Unseen Lab ● M & M Lab ● Metric Measurement Activity ● Wanted Poster <ul style="list-style-type: none"> ● Geocaching Activity ● Fantastic Voyage Activity

Coefficient		Review	Assessment
<p data-bbox="346 138 493 170">Coefficient</p> <p data-bbox="247 203 514 235">4. Safety Science</p> <ul style="list-style-type: none"> <li data-bbox="298 240 514 308">➤ Symbols and meanings <p data-bbox="247 341 378 373">5. Maps</p> <ul style="list-style-type: none"> <li data-bbox="298 378 577 410">➤ Geographic North <li data-bbox="298 415 493 448">➤ True North <li data-bbox="298 453 451 485">➤ Latitude <li data-bbox="298 490 472 522">➤ Longitude <li data-bbox="298 527 493 560">➤ Road Maps <li data-bbox="298 565 588 597">➤ Topographic Maps <li data-bbox="298 602 504 634">➤ Time Zones <p data-bbox="247 667 420 699">6. Minerals</p> <ul style="list-style-type: none"> <li data-bbox="298 704 430 737">➤ Atoms <li data-bbox="298 742 504 774">➤ Compounds <li data-bbox="298 779 514 847">➤ Mineral Identification <li data-bbox="298 852 420 885">➤ Color <li data-bbox="298 889 430 922">➤ Luster <li data-bbox="298 927 430 959">➤ Streak <li data-bbox="298 964 472 997">➤ Cleavage <li data-bbox="298 1002 451 1034">➤ Fracture <li data-bbox="298 1039 472 1071">➤ Hardness <li data-bbox="298 1076 441 1109">➤ Density <p data-bbox="247 1141 388 1174">7. Rocks</p> <ul style="list-style-type: none"> <li data-bbox="298 1179 525 1211">➤ Value of Rock <li data-bbox="298 1216 493 1248">➤ Rock Cycle <li data-bbox="298 1253 598 1286">➤ Items from the Test 		<p data-bbox="1186 138 1281 170">Review</p> <ul style="list-style-type: none"> <li data-bbox="1144 170 1459 227">● Latitude and Longitude Practice <li data-bbox="1144 232 1386 289">● Where on Earth? Worksheet <li data-bbox="1144 293 1386 350">● World Timezone Worksheet <li data-bbox="1144 355 1501 412">● Chapter 2 Section Review Questions <li data-bbox="1144 417 1407 449">● Mapping the Earth <li data-bbox="1144 454 1365 487">● Chapter 2 Quiz <li data-bbox="1144 492 1396 548">● Interpreting a Topographic Map <li data-bbox="1144 553 1459 586">● Where's the Treasure? <li data-bbox="1144 591 1470 647">● Maps and Models Skills Check <li data-bbox="1144 652 1386 685">● Minerals Review <li data-bbox="1144 690 1354 722">● Minerals Quiz <li data-bbox="1144 727 1449 784">● Rock Cycle Questions <li data-bbox="1144 789 1428 846">● Rocks and Minerals Review Packet <li data-bbox="1144 850 1480 883">● Rocks and Minerals Test 	<p data-bbox="1617 138 1774 170">Assessment</p> <ul style="list-style-type: none"> <li data-bbox="1575 170 1858 203">● Mystery Mineral Lab <li data-bbox="1575 207 1806 240">● Rock Cycle Lab <li data-bbox="1575 245 1596 277">●

2nd Quarter w/Standard & Timeline

1. Energy Resources

- Natural Resources
- Renewable Resources
- Nonrenewable Resources
- Fossil Fuels
- Alternate Resources

2. Plate Tectonics

- Layers of the Earth
- Tectonic Plates
- Continental Drift Theory
- Wegener
- Sea Floor Spreading
- Convergent Boundaries
- Divergent Boundaries
- Transform Boundaries
- Anticline/Syncline/Monocline
- Faults/Footwall/Hanging wall

3. Earthquakes

- P Waves
- S Waves
- Surface waves

- Natural Resources Review
- Renewable and Nonrenewable Resources
- Reduce, Reuse, Recycle Twitter
- Alternative Energy Sources
- Energy Resources Vocabulary Quiz
- Earth's Catastrophic Past
- Inside Earth
- Restless Earth Discussion
- Chapter 7 Sec 1 & 2 Quiz
- Chapter 7 Sec 3 & 4 Quiz

- Earthquakes
- Volcanoes

- Earthship Activity
- Ecological Footprint Activity
- Alternative Energy Project
- Supercontinent Activity
- Alternative Energy Presentations

<ul style="list-style-type: none"> ➤ Seismograph ➤ Focus/ Epicenter <p>4. Volcanoes</p> <ul style="list-style-type: none"> ➤ Lava/Magma ➤ Shield Volcanoes ➤ Cinder Cone Volcanoes ➤ Composite Volcanoes ➤ <i>Ring of Fire</i> 		<ul style="list-style-type: none"> ● First Semester Final 	
<p><u>3rd Quarter w/Standard & Timeline</u></p> <p>1. Chemistry</p> <ul style="list-style-type: none"> Ø Origin Ø Physical and Chemical change Ø States of matter Ø Periodic Table Ø Atomic Mass Ø Atomic Number Ø Subatomic Particles Ø Finding Protons, Neutrons, Electrons (Valance Electrons) Ø Ions and Isotopes Ø Bonding Ø Electron Dot Diagrams Ø Element Properties See questions/ topics from test 		<ul style="list-style-type: none"> ● Intro to Chemistry ● States of Matter vocab terms ● Changes of State Worksheet ● Elements, Compounds, and Mixtures worksheet ● Matter Chapter Review ● Atomic Model ● Get to Know Me/ Protons/ Neutrons/ Electrons Practice ● Atomic Model Quiz ● Drawing Atoms Worksheet ● Organizing Elements ● Periodic Table Groups ● Metals, Nonmetals, and Metalloids questions ● Periodic Table Group Quiz ● Section 3 & 4 Review ● Drawing Ions and Isotopes ● Drawing Lewis Structures ● Naming Binary 	<ul style="list-style-type: none"> ● Molecules Matter Water Activity ● Adopt an Element Activity ● Mendeleev Who? Activity ● Alien Periodic Table Activity ● Bond with a Classmate Activity

<p>2. Atmosphere</p> <ul style="list-style-type: none"> Ø Composition Ø Air Pressure Ø Layers Ø Greenhouse Effect Ø Wind Types Ø Coriolis Effect 		<p>Compounds</p> <ul style="list-style-type: none"> • Counting Atoms • Covalent Bonds • Chemistry Study Guide • Jeopardy Chemistry Review • Chemistry Test 	
<p><u>4th Quarter w/Standard & Timeline</u></p> <p>1. Weather</p> <ul style="list-style-type: none"> Ø Definition Ø Water Cycle Ø Humidity Ø Relative Humidity Ø Types of Clouds Ø Precipitation Ø Air Masses Ø Fronts Ø Thunderstorms Ø Lightning Ø Tornado Ø Hurricanes <p>2. Forces of Motion</p> <ul style="list-style-type: none"> Ø Reference Point Ø Friction Ø Speed/Time/Distance Ø Velocity Ø Acceleration Ø Momentum 		<ul style="list-style-type: none"> • Intro to Weather • Oh the Weather Outside is...Worksheet • Weather Station Models • Storm Chasers • Earth's Atmosphere • Chapter 15 Test • Chapter 16 Test • Work and Power Review Questions • Chapter 8 Terms to Learn • What is a Machine and Types of Machines • Simple Machines Quiz • Energy Intro • Energy Section Review Questions <ul style="list-style-type: none"> • Measuring Motion, Speed Time, Distance, Velocity 	<ul style="list-style-type: none"> • A Powerful Workout Lab • Simple/ Compound Machine Stations • Jumping Frogs Lab • Energy Lab- Bounce! • Finding Energy Lab <ul style="list-style-type: none"> • Speed and Acceleration Lab

<ul style="list-style-type: none"> ∅ Force ∅ Newton's 3 Laws of Motion ∅ Newton's Law of Gravity <p>3. Engineering and Design</p> <ul style="list-style-type: none"> ∅ Structure and Design. ∅ Ratio ∅ Scale ∅ Types of Bridges 		<ul style="list-style-type: none"> • Acceleration Worksheet • Measuring Motion Quiz • Force Review Questions • Gravity Review Questions • Newton's Laws of Motion • Balloon Racer Packet • Motion Study Guide • Motion test • Bridge Intro • Bridge Testing • Bridge Follow Up • Ratio Assignment • Second Semester Final 	<ul style="list-style-type: none"> • Marshmallow Catapult Lab • Balloon Racer • Engineering and Design Bridge Project
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