

MARLBORO CENTRAL SCHOOL DISTRICT-CURRICULUM MAP

Subject Science

Grade 6

Title or Topics (Unit organizing idea)	Concepts (understandings)	Skills (What students actually do)	Major Assessments (Tests, projects, etc.)	Time Frame (Number of weeks)
<u>September</u> Scientific Method	<ul style="list-style-type: none"> • Observation and Inference • Steps to Scientific Method • Control and Variable 	<ul style="list-style-type: none"> • Identifying observation vs. inference • Steps of scientific method (apply through write-up) • Parts of experiment (control/variables) identity 	<ul style="list-style-type: none"> • Test and Quizzes • Labs 	3-4 weeks
<u>October</u> Tool Belt	<ul style="list-style-type: none"> • Mass • Volume • Length • What metric system • Conversions • Measurement tools (how to use) 	<ul style="list-style-type: none"> • Learn to measure mass (triple beam balance) • volume (regular/irregular – solids/liquids) • Read graduated Cylinder 	<ul style="list-style-type: none"> • Measure object using metric ruler, triple beam balance, graduated cylinder, • Quizzes and tests • Common Task • Labs on water displacement and mass 	6 weeks
<u>November</u> Tool Belt Astronomy	<ul style="list-style-type: none"> • Density • Temperature • Sun • Revolution/Rotation • Seasons 	<ul style="list-style-type: none"> • Calculate density (m/v) • K-°C-°F (scales) • Visually (diagram) (or project) • Identify causes for days, years, seasons 	<ul style="list-style-type: none"> • Thermometer conversions (units) • Quizzes and tests • Labs figuring out density • Seasons Flip Book Project • Quizzes and test 	2-3 weeks 2-3 weeks
<u>December</u> Astronomy	<ul style="list-style-type: none"> • Gravity/inertia • Moon phases • Tides • Tilt 	<ul style="list-style-type: none"> • Visually (diagram) (or project) • Identify positioning for eclipses in relation to tides 	<ul style="list-style-type: none"> • Common task • Planet Project • Quizzes/tests • Moon Phases Project 	3-4 weeks

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January Meteorology (weather)	<ul style="list-style-type: none"> • Atmosphere (layers) • Ozone • Heat Transfer • Air masses • Fronts 	<ul style="list-style-type: none"> • Label the layers of the atmosphere • Label weather systems/low/high Pressure • Identify how heat is transferred • Label fronts on map 	<ul style="list-style-type: none"> • Quizzes/tests • Posters/model project – Layers of Atmosphere • Collapsing Can Project 	4-5 weeks
February Meteorology (weather)	<ul style="list-style-type: none"> • Hazardous Weather • Wind Belts • Water Cycle • Climate Regions (Hydrosphere) 	<ul style="list-style-type: none"> • Identify and predict weather • Understand/identify how water cycle works – purpose etc. 	<ul style="list-style-type: none"> • Quizzes/tests • Weather presentation -research -internet • Posters/model project – Water Diagram 	4-5 weeks
March Earth’s surface	<ul style="list-style-type: none"> • Earth’s interior (layers) • Continental drift • Earthquakes 	<ul style="list-style-type: none"> • Identify how various forces make, break and move our world 	<ul style="list-style-type: none"> • Quizzes/tests • Models of interior of Earth 	3-4 weeks
April Earth’s surface	<ul style="list-style-type: none"> • Volcanoes • Minerals 	<ul style="list-style-type: none"> • Identify how volcanoes are created • Identify the different parts of the volcano • Classify types of minerals • Perform mineral scratch and hardness test 	<ul style="list-style-type: none"> • Quizzes/tests • Common task • Labs on minerals 	3-4 weeks
May Earth’s surface	<ul style="list-style-type: none"> • Rocks (rock cycle) • Weathering • Soil Erosion 	<ul style="list-style-type: none"> • Identify rocks and explain how they can change into other rocks • Identify difference soils 	<ul style="list-style-type: none"> • Quizzes/tests • Models of the rock cycle • Labs on rocks 	3-4 weeks

<p><u>June</u></p> <p>Review of Year</p>	<ul style="list-style-type: none"> • Mass • Volume • Length • What metric system • Conversions • Measurement tools (how to use) • Density • Temperature • Sun • Revolution/Rotation • Seasons • Gravity/inertia • Moon phases • Tides • Tilt • Atmosphere (layers) • Ozone • Heat Transfer • Air masses • Fronts • Hazardous Weather • Wind Belts • Water Cycle • Climate Regions (Hydrosphere) • Earth's interior (layers) • Continental drift • Earthquakes • Volcanoes • Minerals • Rocks (rock cycle) • Weathering • Soil Erosion 	<ul style="list-style-type: none"> • They relearn the concepts that they learned through-out the year to prepare for the final exam 	<ul style="list-style-type: none"> • Kahoots Review Online • Review Packets 	<p>1-2 weeks</p>
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