

## 8 Red Curriculum Map

	<b>Science</b>	<b>Social Studies</b>	<b>English</b>	<b>Math I &amp; II</b>	
September	Introduction to Earth Science, metric measurement, Scientific Method, Laws of Motion	The Fall of the Roman Empire, Islam, Medieval Europe, world technology, Byzantine Empire. Christianity (Catholic Church), Holy Roman Empire, Feudal System, Crusades, Democratic institutions, Black Death. Skills: oral Presentations, group projects written expression	Grammar: pronouns, nouns, adjectives Short Story: Fiction Junior Great Books Skills- Writing, analysis, reading, oral discussion.	Order of operations Evaluating expressions Number theory Angle relationships Data analysis  Skills: computation, interpretation, problem solving, compilation	Monthly: Decimals/Fractions % conversion Fraction Operations  MCAS Review
October	Intro to astronomy. Inertia, gravity, seasons, revolution, rotation, axis, moon, eclipse	Renaissance: advancements in fine arts, science, technology, da Vinci, Michelangelo.  Skills: reading comprehension Comparing/contrasting Projects	Writing Book Report Grammar: verbs, adverbs Shakespeare Skills-writing, reading, poetry understanding, syntax, sentence structure, vocabulary, spelling	Statistics Probability Integers  Skills: calculation, prediction, application, simulation, graphing	
November	Apparent vs. real motion, Moon, Earth, Sun Interrelationships, Sextants, Electromagnetic spectrum	Reformation: Martin Luther, Counter-Reformation, European religious wars.  Skills: formulating opinions, Comparing, synthesis	Shakespeare Grammar: phrases and clauses, punctuation Book Report Skills - writing, reading, oral presentation, acting drama, vocabulary, and spelling	Situational Graphs Relations Functions 2 Dimensional geometry  Skills: interpretation, application, categorization, Simulation	
December	Life cycles of stars, Nova, super nova, fusions star types, Black Holes, Big Bang, Galaxies	The Age of Exploration, Colonization, Spanish, English, Dutch and French settlement. Aztecs, Inca and Conquistadors.  Skills: critical thinking, diversity, analyzing	Shakespeare Compositions Grammar - Adjectives, adverbs, prepositions Skills - writing, reading, oral, sentence structure and syntax, vocabulary, spelling	Graphing linear functions Pythagorean Theorem Pascal's Triangle  Skills: construction, synthesis, application, computation	

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January	Intro to Meteorology, weather forecasting, Measurement, atmospheric pressure, cloud type, dew point, win, temperature	Scientific Revolution & Enlightenment, the growth of democratic principles, church and state, the age of reason, technological progress.  Skills: analyzing, comparing, Data gathering	Grammar - tense agreement, pronouns Shakespeare Book Report Compositions Skills - writing, speaking, reading, vocabulary, syntax, sentence structure and agreement	Proportions-scale factor Similar Figures Percent  Skills: computation, application	
February	Air mass weather, low and high pressure, major air circulation, conduction, convection, fronts, weather maps, Isobars	Colonial Settlement: 13 Original Colonies, Jamestown, Plymouth & Mass Bay Colony.  Skills: Group Projects, Oral Presentations, written expression, comparing	Writing Workshop Book report Nonfiction Poetry Skills: reading, writing, and speaking	Solving algebraic equations & Inequalities Venn diagrams  Skills: categorization, construction, computation	
March	Multi-station forecasting, Atmospheric environmental issues, Intro to oceanography	New England Colonies, Middle Colonies, Southern Colonies. Social classes and economies.  Skills: Presentations, Group Projects, Written expression, Analysis, Comparisons	Poetry Nonfiction Book Reports Skills - writing, reading, speaking	Linear equations Slope Intercepts Graphing  Skills: graphing, interpreting, constructing	
April	Ocean geology, plate tectonics, ocean features, mid-ocean ridge, trench, currents, waves, tides salinity, marine biology	Great Awakening, impact of Enlightenment, French and Indian War, objections to taxation, boycotts.  Skills: Synthesis, analysis, Written expression, Critical thinking	Short Story Junior Great Books Book Report Skills - writing, speaking, discussion	Solid Geometry Translations/Transformations Reflections  Skills: visualization, calculation, illustration	

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May	Plankton and ocean food chains, coral reefs, symbiotic relationships, whales, nautical science MCAS Prep	Continental Congress, Declaration of Independence, American Revolution. Common Sense, Major Battles, Yorktown, Role of Women and African Americans, Treaty of Paris.  Skills: Synthesis, analysis, Written expression, Critical thinking	Grammar -Skills- writing, mythology, language mechanics	Combinations/counting principal Tree diagrams Properties of circles  Skills: construct, organize, interpret	
June	Intro to geology, rocks, sedimentary, igneous, metamorphic, minerals, identification	American Revolution (continued).  Skills: Synthesis, analysis, Written expression, Critical thinking	Poetry Skills-appreciation, expression	Circle Applications  Skills: computation, application	