

**Pentucket Regional Middle School
8 White Team Curriculum Map**

SEPTEMBER

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • The Fall of the Roman Empire • Medieval Europe • Byzantine Empire • Christianity (Catholic Church) • Holy Roman Empire • Feudal System • Crusades • Democratic Institutions • Black Death 	<p style="text-align: center;">Content</p> <p style="text-align: center;">Literature – Fiction</p> <ul style="list-style-type: none"> • Short Story Unit • Elements of a Short Story • Structure of a Short Story • Autobiography • Spelling • Analogies • Vocabulary • Creative Writing Journal 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Intro. to Earth Science • Scientific Method • Dependent vs. Independent Variables • Metric Measurement • Matter • Density 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Order of Operations • Properties of equality • Variables and algebraic expressions • Real number system • Solving Linear Equations • Word Problems <p style="text-align: center;">Ongoing Monthly Topics:</p> <ul style="list-style-type: none"> • Angle measurement and relationships • Experimental Probability • Systems of Measurement: customary, metric • Fraction, decimal, percent, conversion and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Order of Operations • Evaluating Expressions • Integers • Math at Work Project <p style="text-align: center;">Ongoing Monthly Topics:</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>reasoning, comparing and contrasting, oral presentations, formulating opinions, recognizing cause and effect relationships</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>reading comprehension, following directions, written language</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>use of lab equipment, metric conversions, lab safety</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>evaluating, problem solving, estimating, computing,</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>estimation, computation, problem solving, interviewing</i></p>

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OCTOBER

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <p>Renaissance:</p> <ul style="list-style-type: none"> • Advancements in fine arts, science, technology, • da Vinci, Michelangelo 	<p style="text-align: center;">Content</p> <p style="text-align: center;">Literature - Fiction</p> <ul style="list-style-type: none"> • Short Story Unit continued • Fiction Book Project • Spelling • Analogies • Vocabulary • Creative Writing Journal <p style="text-align: center;">Grammar</p> <ul style="list-style-type: none"> • Pre-Test Basic Skills • Limited Review of Parts of Speech • The Sentence • Classifying Sentences by Purpose 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Matter and its properties • Earth/Moon/Sun Systems • Eclipses • Moon phases • Seasons 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Linear equations & word problems • Ration and proportion • Percent equations <p style="text-align: center;">Ongoing Monthly Topics:</p> <ul style="list-style-type: none"> • Similarity • Theoretical Probability • Systems of measurement: customary, metric • Fraction, decimal, percent, conversion and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Relating Graphs to Events • Similarity • Angle Measurements • Angle Relationships <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p><i>data gathering skills, presentations, group project dynamics, effective communication</i></p>	<p style="text-align: center;">Skills</p> <p><i>group work, book report skills, critical thinking, written language</i></p>	<p style="text-align: center;">Skills</p> <p><i>measurement systems for long distances, interpreting diagrams</i></p>	<p style="text-align: center;">Skills</p> <p><i>estimating, computing, applying, problem solving, measuring</i></p>	<p style="text-align: center;">Skills</p> <p><i>graphing, prediction, interpretation, simulation, measuring</i></p>

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NOVEMBER

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <p>Reformation:</p> <ul style="list-style-type: none"> • Martin Luther • Counter-Reformation • European Religious Wars 	<p style="text-align: center;">Content</p> <p style="text-align: center;">Grammar</p> <ul style="list-style-type: none"> • Limited Review of Phrases and Clauses • The Kinds of Sentence Structure • Spelling • Analogies • Creative Writing Journal • Choice Book Report <p style="text-align: center;">Literature</p> <ul style="list-style-type: none"> • Elements of Drama • Renaissance Project - An Interdisciplinary Unit 	<p style="text-align: center;">Content</p> <p style="text-align: center;">Solar System and Universe</p> <ul style="list-style-type: none"> • Forces: Inertia, Gravity • Electromagnetic spectrum • Sun and fusion 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Relations • Functions • Slope <p style="text-align: center;">Ongoing Monthly Topics:</p> <ul style="list-style-type: none"> • Perimeter and area • Mean, median, mode • Systems of measurement: customary, metric • Fraction, decimal, percent, conversion, and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Statistics • Probability • Combinations • Permutations • Renaissance Project – An Interdisciplinary Unit <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p><i>critical thinking, compare/contrast, analyzing information with regard to diversity, cause and relationships</i></p>	<p style="text-align: center;">Skills</p> <p><i>written language skills, creative writing skills, critical book reviews, group work</i></p>	<p style="text-align: center;">Skills</p> <p><i>use of spectrosopes, interpreting diagrams, identifying numerical relationships in graphs and tables</i></p>	<p style="text-align: center;">Skills</p> <p><i>evaluating, graphing, categorizing</i></p>	<p style="text-align: center;">Skills</p> <p><i>calculation, estimation, prediction, simulation, graphing, interpretation</i></p>

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DECEMBER

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • The Age of Exploration • Colonization • Spanish, French, and Dutch settlement • Conquistadors, Aztecs and Incas 	<p style="text-align: center;">Content</p> <p style="text-align: center;">Literature - Drama</p> <ul style="list-style-type: none"> • Comic and Tragic Elements • Theatrical Conventions • Evaluation of a Play • Elements of Plot, Subplot, Characterization, and Setting • Vocabulary • Spelling • Analogies • Creative Writing Journal • Persuasive Composition <p style="text-align: center;">Grammar</p> <ul style="list-style-type: none"> • Punctuation – Comma Emphasis 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Life cycle of stars • Fusion • Big Bang • Black Holes • Galaxies 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Graphing linear equations • Writing linear equations <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Pythagorean Theorem • Systems of measurement: customary, metric • Fraction, decimal, percent conversion and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Relations • Functions <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>data gathering, technology resource, critical thinking, mapping</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>reading comprehension, written language, globalization skills</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>diagramming sequential events, reading and interpreting diagrams</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>graphing, computing, problem Solving</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>evaluation, categorization, graphing</i></p>

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JANUARY

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Scientific Revolution and the Enlightenment • The growth of democratic principles • Church and state • The age of reason • Technological progress 	<p style="text-align: center;">Content</p> <p>Literature – Nonfiction</p> <ul style="list-style-type: none"> • Holocaust Book Review • Holocaust Observation-Response Journals • Various Nonfiction Readings and Response Compositions <p>Grammar</p> <ul style="list-style-type: none"> • Words Often Confused • Common Usage Problems • Spelling • Creative Writing Journal • Persuasive Composition 	<p style="text-align: center;">Content:</p> <ul style="list-style-type: none"> • Heat and Molecules • Heat Transfer • Convection • Fluid Motion (rising and sinking) • Fluid Density 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Scatterplots • Linear regressions • Systems of equations <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Circles • Line plots, bar graphs, histograms, circle graphs, box and whisker plots • Systems of measurement: customary, metric • Fraction, decimal, percent conversion and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Solving Equations • Solving Inequalities • Applications • Perimeter and Area <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>comparing, classification, oral skills cause and effect relationships,</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>data gathering, diversity/globalization, journal writing</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>data collection, graphing, analysis of data</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>graphing, modeling, predicting, problem solving</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>estimation, computation, problem-solving</i></p>

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FEBRUARY

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Scientific Revolution & Enlightenment • The growth of democratic principles • Church and State • The age of reason • Technological progress 	<p style="text-align: center;">Content</p> <p>Grammar</p> <ul style="list-style-type: none"> • Common Usage Problems <p>Writing Workshop (Persuasive and Expository Compositions) Based on the following Nonfiction Characteristics:</p> <ul style="list-style-type: none"> • <i>Formal and Informal Essays</i> • <i>Supporting an Opinion</i> • <i>Trace Word Histories</i> • <i>Anecdotes</i> • <i>Reviews</i> • Mythology Unit • MCAS Practice 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Atmospheric Circulation • Oceanic Circulation • Factors Affecting Climate • Ocean/Climate Interaction • Environmental Meteorology 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Inequalities • Absolute value equations • Operations involving polynomials <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Solid geometry • Systems of Measurement: customary, metric • Fraction, decimal, percent conversion and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Linear Equations • Graphing • Slope • Intercepts • Writing Equations • Proportions <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p><i>writing skills, timeline, chronological thinking</i></p>	<p style="text-align: center;">Skills</p> <p><i>reading comprehension, analytical skills, written language</i></p>	<p style="text-align: center;">Skills</p> <p><i>data collection, graphing, data interpretation</i></p>	<p style="text-align: center;">Skills</p> <p><i>problem solving, graphing, modeling,</i></p>	<p style="text-align: center;">Skills</p> <p><i>graphing, computation, measurement, problem-solving</i></p>

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MARCH

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • New England Colonies • Middle Colonies • Southern Colonies • Social classes and economies 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Continuation and Completion of Writing Workshop • MCAS Practice • Choice Book Review • Spelling • Analogies • Vocabulary 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Layers of the Earth • Segments of the Earth (hydrosphere, lithosphere, Atmosphere) • Plate Boundaries • Continental Drift • Earthquakes and Volcanoes 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Factoring polynomials • Quadratic equations • Quadratic functions <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Transformations: reflections, rotations, translations, dilations • Systems of measurement: customary, metric • Fraction, decimal, percent conversion and operation 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Triangle Concepts • Pythagorean Theorem • Square Roots • Irrational Numbers • Percent applications • Stock Market Project <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>data gathering, technology resources, oral presentations, reasoning</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>reading comprehension, analytical skills, written language</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>indirect observation, modeling, data interpretation, map reading</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>modeling, problem solving, evaluating, graphing, analyzing</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>estimation, computation, problem-solving</i></p>

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APRIL

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • New England colonies • Middle Colonies • Southern Colonies • Social classes and economies. • Proclamation of 1763 • French and Indian War • Stamp Act 	<p style="text-align: center;">Content</p> <p>Literature - Poetry</p> <ul style="list-style-type: none"> • Explication of Poetry • Sound Devices, Rhythm, Rhyme • Figurative Language • Symbolism • Oral Recitation • Individual Selections • Spelling • Analogies • Creative Writing Journals • Vocabulary <p>Grammar: Public Speaking – formal and informal speaking situations</p>	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Rocks and Minerals • Geologic History • Rock Cycle • Oceanography 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Quadratic functions (con't) • Simplifying rational expressions • Operations involving rational expressions • Complex fractions • Solving rational equations <p>Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Combinations and permutations • Systems of Measurements: customary, metric • Fraction, decimal, percent, conversion, and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Circles • Solid Geometry <p>Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p><i>reasoning skills, analytical skills, persuasive writing</i></p>	<p style="text-align: center;">Skills</p> <p><i>reading comprehension, creative writing and thinking, written language skills, public speaking skills</i></p>	<p style="text-align: center;">Skills</p> <p><i>diagramming cycles, classifying items scientifically, identify specimens using characteristics, read and interpret timetables</i></p>	<p style="text-align: center;">Skills</p> <p><i>evaluating, graphing, problem solving, simplifying, modeling</i></p>	<p style="text-align: center;">Skills</p> <p><i>estimation, calculation, problem-solving, measurement</i></p>

**Pentucket Regional Middle School
8 White Team Curriculum Map**

MAY

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Continental Congress • Declaration of Independence • American Revolution • Common Sense • Major Battles • Yorktown • Role of Women and African Americans • Treaty of Paris 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Poetry Portfolio Projects • Spelling Demons • Creative Writing Journal • Biography Book Review (oral review) 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Changes to the Earth's surface: weathering, erosion • Topographic Maps 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Direct variation • Inverse variation • Radical expressions • Radical equations <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Systems of measurement: customary, metric • Fraction, decimal, percent, conversion and operations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Transformations • Reflections • Translations • Rotations • Dilations <p style="text-align: center;">Ongoing Monthly Topics</p> <ul style="list-style-type: none"> • Fraction-Decimal-Percent Conversion • Fraction-Decimal Operations • Systems of Measurement
<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>critical thinking, effective communication, data resources, technology applications</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>written language, creative writing, analytical skills, oral presentation skills</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>using data to produce maps, measurement, data collection, reading topographic maps</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>simplifying, categorizing, problem solving</i></p>	<p style="text-align: center;">Skills</p> <p style="text-align: center;"><i>estimation, computation, graphing, measurement</i></p>

**Pentucket Regional Middle School
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JUNE

World History	English-Language Arts	Earth Science	Algebra I A	Algebra I B
<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • American Revolution (continued) 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Poetry Presentations 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Application of science process skills 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Exponents • Exponential functions 	<p style="text-align: center;">Content</p> <ul style="list-style-type: none"> • Geometric Constructions • Systems of Equations
<p style="text-align: center;">Skills <i>oral presentations</i></p>	<p style="text-align: center;">Skills <i>oral presentation skills</i></p>	<p style="text-align: center;">Skills <i>writing hypothesis, collecting data, interpreting data, drawing conclusions</i></p>	<p style="text-align: center;">Skills <i>evaluating, graphing, modeling, problem solving</i></p>	<p style="text-align: center;">Skills <i>measuring, construction, problem-solving</i></p>

**Pentucket Regional Middle School
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Yearly Assessments

World History	English-Language Arts	Earth Science	Algebra IA – IB
<ul style="list-style-type: none"> - traditional content testing and quizzes including open-ended question responses - quarterly examinations - oral presentations - individual and group projects - compositions - progressive lectures - notebook checks - mapping - mental mapping - model building 	<ul style="list-style-type: none"> - traditional content testing and quizzes including open-ended question responses - quarterly examinations - maintain a writing folder containing multiple drafts that demonstrate revising and editing - edit and proofread drafts to clarify meaning via peer editing and teacher conferencing - construct critical reviews of outside reading assignments - mapping: Inspiration software - teacher designed content rubrics - write letters to imaginary characters based upon reading selections - participate in Writing Workshop - co-operative learning groups - oral presentations - create and participate in interdisciplinary units - produce Creative Writing Journals - write original poetry 	<ul style="list-style-type: none"> - traditional content testing and quizzes including open-ended question responses - quarterly examinations - presentations (individual and group) - teacher designed content rubrics - student designed rubrics for content and quality - collaborative/cooperative projects - lab reports 	<ul style="list-style-type: none"> - traditional content testing and quizzes including open-ended question responses - drill quizzes - oral response - student presentations - student simulations - practical quizzes - student constructions