

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

	<b>MATH</b>	<b>SCIENCE</b>	<b>GEOGRAPHY</b>	<b>ENGLISH</b>
<b>September</b>	<p><b>Content</b> *Graphing/statistics *Fractions/Decimals/Percents *Operations of F/D/%</p> <p><b>Skills</b> *Compute fractions &amp; decimals *Construct &amp; interpret graphs *Estimate</p> <p><b>Assessment</b> *Tests &amp; quizzes *Homework assignments *Group problem solving *Presentation – oral/visual *Project – fraction/decimal/%</p>	<p><b>Content</b> *Introduction to science *Characteristics of living things *Scientific method *Ecosystems (of the rocky coast)     Food chains/webs     Tides, energy/water conservation</p> <p><b>Skills</b> *Lab safety (ongoing all year)     Proper use of lab equipment     Personal protection *Read scales – metric units *Organization (ongoing all year) *Note taking (ongoing all year) *Listening (ongoing all year) *Write hypothesis (ongoing all year) *Create a data table (ongoing all year) *Graphing (ongoing all year) *Critical thinking (ongoing all year)</p> <p><b>Assessment</b> *Notebook organization, note taking skills assessment *Rubrics to evaluate presentation skills *Tests &amp; quizzes *Laboratory skills - bench assessments *Graphic presentation *Laboratory Reports *Homework *Vocabulary lists</p>	<p><b>Content</b> *Introduction *Definitions &amp; understanding concepts *Five themes of geography *Maps *Longitude &amp; latitude *Time zones</p> <p><b>Skills (ongoing all year)</b> *Create, read, &amp; analyze maps, charts, and graphs *Organization *Effective note-taking *Critical thinking</p> <p><b>Assessment</b> *Homework *Tests &amp; quizzes *Notebook checks *Mapping *Presentations/Projects *WAC</p>	<p><b>Grammar</b> *Subject/predicate-complete &amp; simple *Nouns *Capitalization *Punctuation</p> <p><b>Literature</b> *Short story elements *”The Dinner Party” *”Rip Van Winkle”</p> <p><b>Composition</b> *Paragraph structure *On-demand journal writing (all year) *Descriptive writing</p> <p><b>Spelling</b> *Lists &amp; practice all year</p> <p><b>Vocabulary</b> *Taught within context of literature</p> <p><b>Skills (ongoing all year)</b> *Explain plot *Express reaction *Recognize literary techniques *Recognize principal parts of a sentence and all 8 parts of speech *Write/edit compositions *Compare/contrast story to film *Organization</p> <p><b>Assessment</b> *Tests &amp; quizzes *Participation –discussion/activities *Grammar worksheets *Homework assignments *Maintain cumulative writing folder *Descriptive composition *Guided writing assignments</p>

<p><b>October</b></p>	<p><b>Content</b>  *F/D/% continue  *Measurement – standard &amp; metric  *Mult./Division by powers of 10  <b>Skills</b>  *Measure  *Convert within systems  *Estimate  *Apply measurement to real life  <b>Assessment</b>  *Tests &amp; quizzes  *Homework assignments  *Open-ended problem solving  *Presentation – oral/visual  *WAC - Portfolio writing assignment</p>	<p><b>Content</b>  *Ecosystems of the rocky coast cont'd  *Scientific classification of organisms  <b>Skills</b>  *Use a dichotomous key  *Use a triple beam balance  *Group problem solving (all year)  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework  *Vocabulary lists  *WAC</p>	<p><b>Content</b>  *Physical geography – landforms, water cycle, climate, weather, weathering, plate tectonics, erosion  <b>Skills</b>(ongoing remainder of year)  *Data gathering  *Drawing conclusions  *Presentations  *Sequencing  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations/Projects  *WAC</p>	<p><b>Grammar</b>  *Adjectives  *Pronouns-possessive, personal, subject &amp; object  <b>Literature</b>  *”Legend of Sleepy Hollow”  <b>Composition</b>  *Stages of the writing process  *Descriptive writing  <b>Assessment</b>  *Tests &amp; quizzes  *Participation –discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Descriptive composition (on demand)  *Guided writing assignments  *Book report/project</p>
<p><b>November</b></p>	<p><b>Content</b>  *Introduction to algebra  *Properties  *Order of operation  *Exponents  *Scientific Notation  <b>Skills</b>  *Evaluate expressions  *Compute using whole numbers, fractions, and decimals  <b>Assessment</b>  *Tests &amp; quizzes  *Homework assignments  *Problem solving  *Presentation – oral/visual</p>	<p><b>Content</b>  *Cell structure &amp; organization  *Cell chemistry  <b>Skills</b>  *Model building  *Use of microscope  *Preparation of a wet mount slide  *Research and presentation  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework  *Vocabulary list  *WAC</p>	<p><b>Content</b>  *Human geography – population density, growth, and migration  *Environmental interaction  Environment influencing humanity  Humanity influencing environment  *Culture – language, religion, economics, government, food, music, etc.  <b>Skills</b>(ongoing remainder of year)  *Compare &amp; contrast  *Fact vs. opinion  *Cause &amp; effect  *Web-based research  *Written expression  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations/Projects  *WAC</p>	<p><b>Grammar</b>  *Verbs-action  *Direct objects  *Adverbs  *Prepositions/prepositional phrases  <b>Literature</b>  *Short stories  <b>Assessment</b>  *Tests &amp; quizzes  *Participation-discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Guided writing assignments</p>

<p><b>December</b></p>	<p><b>Content</b>  *Prime factorization  *Divisibility Rules  *Coordinate graphing  *Integers  <b>Skills</b>  *Construct graphs  *Compute with all operations of integers  <b>Assessment</b>  *Tests &amp; quizzes  *Homework assignments  *Presentation – oral/visual  *Writing assignment  *Problem solving activities  *WAC</p>	<p><b>Content</b>  *Introduction to Periodic Table of Elements  *Cell chemistry  Osmosis, diffusion, enzyme reactions, metabolism, respiration, photosynthesis  <b>Skills</b>  *Recognize chemical symbols for elements of human body  *Interpret chemical formulas  *Construct bar &amp; pie graphs for elements in human body  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework *Vocabulary lists</p>	<p><b>Content</b>  *Culture (cont'd)  *Religion – Buddhism, Christianity, Hinduism, Islam, Judaism  <b>Skills</b>  *See skills for September – November  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations/Projects  *WAC</p>	<p><b>Grammar</b>  *Pronouns-in greater depth, personal &amp; indefinite  <b>Literature</b>  *’A Christmas Carol’  <b>Composition</b>  *Narrative writing  *Character development &amp; dialogue  <b>Assessment</b>  *Tests &amp; quizzes  *Participation-discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Narrative composition  *Guided writing assignments  *Oral presentation</p>
<p><b>January</b></p>	<p><b>Content</b>  *Integers continue  *Parallel lines/transversal  *Congruence/similarity  *Sides vs. interior angles  <b>Skills</b>  *Measure angles  *Compute integers  *Recognize relationships  *Estimate  <b>Assessment</b>  *Tests &amp; quizzes  *Homework assignments  *Presentation – oral/discussion  *Problem solving  *WAC – portfolio writing assignment</p>	<p><b>Content</b>  *Cell reproduction  *Mitosis  *Meiosis  *DNA/RNA  *Protein synthesis  <b>Skills</b>  *Diagram  *DNA model  *Lab technique –DNA extraction lab  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework *Vocabulary lists</p>	<p><b>Content</b>  *Religion (cont'd)  *Religious conflicts – China, India, Israel, Northern Ireland  <b>Skills</b>  *See September – November  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations/Projects  *WAC</p>	<p><b>Grammar</b>  *Nouns  *Pronouns-demonstrative  *Indirect objects  <b>Literature</b>  *Nonfiction  <b>Composition</b>  *Narrative writing  <b>Assessment</b>  *Tests &amp; quizzes  *Participation – discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Narrative composition (on-demand)  *Book report/project  *Guided writing assignments</p>

<p><b>February</b></p>	<p><b>Content</b>  *Pythagorean Theorem  *Circles/triangles/trapezoids  <b>Skills</b>  *Measure with protractors &amp; compasses  *Calculate area  *Classify shapes  *Find square root  <b>Assessment</b>  *Tests &amp; quizzes  *Problem solving  *Homework assignments  *Presentation – oral/visual  *WAC</p>	<p><b>Content</b>  *Genetics  <b>Skills</b>  *Punnett squares  *Pedigrees  *Probability  *Justify opinions  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework  *Vocabulary lists  *WAC</p>	<p><b>Content</b>  *Forms of government – democracy, monarchy, oligarchy, anarchy, and dictatorship  *Economics – traditional, command, market, and mixed  -supply &amp; demand  -currency  -standard of living  -GNP  -per capita income  *Education  <b>Skills</b>  *See September – November  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations/Projects  *WAC</p>	<p><b>Grammar</b>  *Compound subjects &amp; predicates  *Conjunctions  <b>Literature</b>  *Mythology  <b>Composition</b>  *MCAS Prep  <b>Assessment</b>  *Tests &amp; quizzes  *Participation – discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Guided writing assignments  *Descriptive &amp; narrative writing  *Expository writing (MCAS prep)</p>
<p><b>March</b></p>	<p><b>Content</b>  *Design/technology - Towers  *Volume – rectangular prisms &amp; cylinders  <b>Skills</b>  *Calculate volume  *Design/construct towers  <b>Assessment</b>  *Tests &amp; quizzes  *Homework assignments  *Project – Towers of Spaghetti  *WAC – Portfolio writing assignment</p>	<p><b>Content</b>  *Evolution  Theory of natural selection  Adaptation &amp; variation  Punctuated equilibrium  <b>Skills</b>  *Compare &amp; contrast  *Analyze scientific explanations &amp; theories  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework *Vocabulary lists</p>	<p><b>Content</b>  *Natural resources/Human environmental interaction  *Urbanization  *Globalization – UN, NATO, World Bank, International Monetary Fund, British Commonwealth, Organization of American States  <b>Skills</b>  *See September – November  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations/Projects  *WAC</p>	<p><b>Grammar</b>  *Linking Verbs  *Predicate adjectives  *Comparative/superlative  *Adjective forms  <b>Literature</b>  *Drama  <b>Composition</b>  *MCAS Prep  <b>Assessment</b>  *Tests &amp; quizzes  *Participation – discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Guided writing assignments  *Descriptive &amp; narrative writing</p>

<p><b>April</b></p>	<p><b>Content</b>  *Graphing/Statistics  *Percent – sales/discount  *Ratio/rate/proportion  *Functions/input/output  <b>Skills</b>  *Construct graphs  *Calculate rate of change  *Calculate ratios &amp; proportions  <b>Assessment</b>  *Tests &amp; quizzes  *Presentation – oral/visual  *Homework assignments  *Problem solving</p>	<p><b>Content</b>  *Anatomy &amp; Physiology  <b>Skills</b>  *Recognize relationships between human body systems  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework  *Vocabulary lists  *WAC</p>	<p><b>Content</b>  *Globalization (cont'd)  *Continents –in depth look at each continent, as well as, comparing and contrasting features found in more than one continent.  <b>Skills</b>  *See September – November  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations/Projects  *WAC</p>	<p><b>Grammar</b>  *Verb (tenses, regular &amp; irregular forms)  <b>Literature</b>  *Poetry  <b>Composition</b>  *MCAS Prep  <b>Skills</b>  *Analysis of poems  *Compare &amp; contrast types of poetry  <b>Assessment</b>  *Tests &amp; quizzes  *Participation – discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Guided writing assignments  *Expository writing (MCAS prep)  *Book report/project  *Writing poetry</p>
<p><b>May</b></p>	<p><b>Content</b>  *Two-step equations w/one variable  *Linear equations  <b>Skills</b>  *Solve equations  *Graph equations  <b>Assessment</b>  *Tests &amp; quizzes  *Homework assignments  *Problem solving  *WAC – Portfolio writing assignment</p>	<p><b>Content</b>  *How ecosystems change (ecological succession)  <b>Skills</b>  *Compare &amp; contrast  *Sequence  *Read &amp; interpret diagrams  <b>Assessment</b>  *Notebook organization, note taking skills assessment  *Rubrics to evaluate presentation skills  *Tests &amp; quizzes  *Laboratory skills - bench assessments  *Graphic presentation  *Laboratory Reports  *Homework  *Vocabulary lists  *WAC</p>	<p><b>Content</b>  *Continents (cont'd)  <b>Skills</b>  *See September – November  <b>Assessment</b>  *Homework  *Tests &amp; quizzes  *Notebook checks  *Mapping  *Presentations  *Projects  *WAC</p>	<p><b>Grammar</b>  *Review parts of speech &amp; punctuation  <b>Literature</b>  *Poetry  *Short stories-selected from text &amp; outside sources  <b>Composition</b>  *Poetry writing  <b>Skills</b>  *Analysis of poems  *Compare &amp; contrast various types of poetry  <b>Assessment</b>  *Tests &amp; quizzes  *Participation – discussion/activities  *Grammar worksheets  *Homework assignments  *Maintain cumulative writing folder  *Guided writing assignments  *Book report/project</p>

<p><b>June</b></p>	<p><b>Content</b> *Continue from May</p> <p><b>Skills</b> *Same as May</p> <p><b>Assessment</b> *Same as May</p>	<p><b>Content</b> Ecosystems cont'd</p> <p><b>Skills</b> *Interpret diagrams *Compare &amp; contrast</p> <p><b>Assessment</b> *Notebook organization, note taking skills assessment *Rubrics to evaluate presentation skills *Tests &amp; quizzes *Laboratory skills - bench assessments *Graphic presentation *Laboratory Reports *Homework *Vocabulary lists</p>	<p><b>Content</b> Continents (cont'd)</p> <p><b>Skills</b> *See September – November</p> <p><b>Assessment</b> *Homework *Tests &amp; quizzes *Notebook checks *Mapping *Presentations *Projects *WAC</p>	<p><b>Grammar</b> *Review parts of speech &amp; punctuation</p> <p><b>Literature</b> *Selections from text &amp; outside sources</p> <p><b>Assessment</b> *Tests &amp; quizzes *Participation – discussion/activities *Guided writing assignments *Homework assignments</p>
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