

**Proposed Educational Objectives  
State of Pennsylvania  
Ninth Grade**

Core Standard Lesson Location Chart  
Objectives Met by Earthschooling

<b>Proposed Educational Objectives State of Pennsylvania Ninth Grade</b>	<b>Core Standard Lesson Location Chart Objectives Met by Earthschooling</b>
<p>READING - read from variety of sources, fiction and nonfiction, for information and pleasure. Explore English language through writing, reading, speaking and listening</p>	<p><b>Ninth Grade: Novels Main Lesson Block</b>            1. Novels Main Lesson Block: 18 Full Lessons            2. Novels Main Lesson Block Book to Read: Moby Dick</p> <p><b>Comedy &amp; Tragedy Main Lesson Block</b>            1. Comedy &amp; Tragedy Main Lesson Block: Guide            2. Comedy &amp; Tragedy Main Lesson Block: Oedipus Rex            3. Temperaments in Literature            4. The Temperaments 101            5. The Melancholic &amp; Phlegmatic            6. The Sanguine &amp; Choleric</p>
<p>WRITING - student will gain more experience with various kinds of writing/ by hand and on computer.</p>	<p><b>Ninth Grade: Novels Main Lesson Block Comedy &amp; Tragedy Main Lesson Block Main Lessons in History</b></p>
<p>SPELLING/VOCABULARY - use various resources to determine correct spelling/usage of words in reading and writing</p>	<p><b>Ninth Grade: Novels Main Lesson Block Comedy &amp; Tragedy Main Lesson Block Main Lessons in History</b></p>

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<p>MATH/ARITHMETIC - student will do mathematics work appropriate to grade level. Student will use problem solving math skills in daily life applications. Student will utilize speed sheets to enhance mental math skills etc.</p>	<p><b>Ninth Grade: Main Lessons in Math</b></p> <ol style="list-style-type: none"> <li>1. Biographies of Famous Mathematicians</li> <li>2. Binary Systems</li> <li>3. Geometry: Measurement of Surface and Volume</li> </ol> <p><b>Ninth Grade: Main Lessons in Math: Review</b></p> <ol style="list-style-type: none"> <li>1. Starting a Business for Kids</li> <li>2. Pre-Algebra</li> <li>3. Algebra</li> </ol> <p><b>Main Lessons in Math for Ninth Grade</b></p> <ol style="list-style-type: none"> <li>1. Math Main Lesson Block: Algebra 1: Part One</li> <li>2. Math Main Lesson Block: Algebra 1: Part Two</li> <li>3. Supporting Book to Read: Flatland</li> <li>4. Hands on Activity: Rubik's Cube Math: Part One</li> <li>5. Hands on Activity: Rubik's Cube Math: Part Two</li> <li>6. Hands on Activity: Rubik's Cube Supporting Video</li> </ol>
<p>SCIENCE - student will increase scientific knowledge appropriate to grade level and beyond, through hands on experimentation, reading and real life application.</p>	<p><b>Journey of Analyse Temperament/Psychology Lessons</b></p> <ol style="list-style-type: none"> <li>1. Temperaments Book &amp; Guide: Part One</li> <li>2. Temperaments Book &amp; Guide: Part Two</li> <li>3. Temperaments Book &amp; Guide: Part Three</li> <li>4. Temperaments Book &amp; Guide: Part Four</li> </ol> <p><b>Main Lessons in Outdoor Skills/Animal Science</b></p> <ol style="list-style-type: none"> <li>1. Wildlife Tracking Block: Guide and Part One</li> <li>2. Wildlife Tracking Block: Part Two</li> <li>3. Reading: Wild Animals at Home by Seton</li> <li>4. Wildlife Tracking Block: Support Image: Cougar Print</li> <li>5. Wildlife Tracking Block: Support Image: Wolf Print</li> <li>6. Wildlife Tracking Block: Pocket Guide</li> </ol>

	<p><b>Main Lessons in Science: Real Life Experience Blocks</b></p> <ol style="list-style-type: none"> <li>1. High School Wildlife Curriculum: Fieldwork: Syllabus</li> <li>2. High School Wildlife Curriculum: Fieldwork: Part One</li> <li>3. Fieldwork: Part Two: Science Skills &amp; Papers</li> <li>4. Fieldwork: PowerPoint: Bat Biology</li> <li>5. PDF Version of PowerPoint Bat Biology</li> <li>6. Wildlife Fieldwork Curriculum and Core Standard Chart</li> </ol> <p><b>Embryology Main Lesson Blocks</b></p> <ol style="list-style-type: none"> <li>1. Embryology Main Lesson Block: Part One (G9)</li> <li>2. Embryology Main Lesson Block: Part Two (G10)</li> <li>3. Part Three: Waldorf Sex Education: Let's Talk</li> <li>4. Reference Book: Langman's Medical Embryology</li> <li>5. Reference Book: Louis Bolk's Embryology</li> </ol>
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<p>GEOGRAPHY - student will expand geographic knowledge appropriate to grade level through map drawing and stories. Will actively participate through volunteer work in her community. Student will study local, state and federal government appropriate to grade level.</p>	<p><b>Ninth Grade: Main Lessons in Geography &amp; Geology</b></p> <ol style="list-style-type: none"> <li>1. Teacher Reference</li> <li>2. Lesson 1: History of Geology &amp; Activities</li> <li>3. Lesson 2: Research &amp; Timeline</li> <li>4. Lesson 3: Plate Tectonics: Drawing &amp; Writing Activities</li> <li>5. Anthropogenic Biomes of the World by Erle C. Ellis</li> </ol> <p><b>Ninth Grade: Iron Work Main Lesson Blocks</b></p> <ol style="list-style-type: none"> <li>1. Iron Working Main Lesson Block: Part One</li> <li>2. Iron Working Main Lesson Block: Part Two</li> <li>3. Iron Working Main Lesson Block: Part Three</li> <li>4. Iron Working Main Lesson Block: Part Four</li> </ol>
<p>HISTORY/CIVICS - student will expand and exceed understanding of historical events and stories appropriate to grade level. Student will embark on field trips to enhance experiential knowledge.</p>	<p><b>Main Lessons in History</b></p> <ol style="list-style-type: none"> <li>1. Philosophical Introduction to the Age of Revolutions</li> <li>2. Book Support: The Romantic Philosophers, Thilly</li> <li>3. Lesson Two: History of the French Revolution</li> <li>4. Book Support: Louis XIV</li> <li>5. Lesson Three: French Revolution Activities</li> <li>6. Lesson Four: French Revolution Video Activity.</li> </ol>

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<p>ART - student will use a variety of media to make creations</p>	<p><b>Ninth Grade: Main Lessons in Art History</b></p> <ol style="list-style-type: none"> <li>1. Teacher Reference</li> <li>2. Teacher Reference: Technology and Art</li> <li>3. Lecture: Art Pre-History to the Renaissance</li> <li>4. Power Point: Art Pre-History to the Renaissance</li> <li>5. Activities: Art Pre-History to the Renaissance (Involves student creating a variety of art inspired by historical studies)</li> </ol> <p><b>Ninth Grade: Art: Single Color Printing Block</b></p> <ol style="list-style-type: none"> <li>1. Main Lesson Block: Guide and Lessons</li> <li>2. A Biography of Abraham Lincoln in Woodcuts</li> <li>3. Single Color Printing Main Lesson: Video Instruction</li> </ol> <p><b>Ninth Grade: Main Lessons in Art: Woodcarving Block</b></p> <ol style="list-style-type: none"> <li>1. Woodcarving: Bullroarer: Guide &amp; Lessons</li> <li>2. Woodcarving: Bullroarer: Video Instruction</li> </ol> <p><b>Ninth Grade: Main Lessons in Art: Batik Lesson</b></p> <ol style="list-style-type: none"> <li>1. Instruction &amp; Project</li> </ol>
<p>MUSIC - student will have opportunity to expand musical interests through playing an instrument.</p>	<p><b>Ninth Grade: Main Lessons in Music</b></p> <ol style="list-style-type: none"> <li>1. African Drumming: Part One</li> <li>2. African Drumming: Part Two</li> </ol>
<p>PHYSICAL EDUCATION - student will participate in a variety of sports/games to enhance physical conditioning and wellness.</p>	<p><b>Eurythmy for Ninth Grade</b></p> <ol style="list-style-type: none"> <li>1. Guidelines for Eurythmy in Ninth Grade</li> <li>2. Basic Rod Exercises for Children in Ninth Grade</li> <li>3. Moving in Etheric Space</li> <li>4. Moving in Straight Lines and Crosses</li> <li>5. Moving in Straight Lines and Curves</li> <li>6. Rods &amp; Rod Tossing</li> <li>7. Seven Fold Rod Exercises</li> <li>8. Threefold Walking (PDF, Mobile &amp; SD Videos)</li> <li>9. Variations on Threefold Walking</li> <li>10. Twelve Fold Rod Exercises</li> </ol>