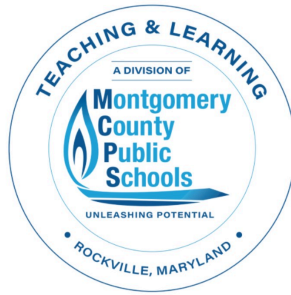


**Page-Turners & Big Ideas**  
**Seventh Grade: Science, Technology, and Math Magnet**  
**Quarter One**

<p><b>English</b></p> <p><b>Genre Focus:</b> Narrative/Novel  <b>Writing Focus:</b> Informative Essay</p> <p><b>Text:</b> <i>Hello, Universe</i></p> <ul style="list-style-type: none"> <li>• <b>Key Terms:</b> characterization, figurative language, foreshadowing, hyperbole, literary device, metaphor, perspective, symbolism</li> </ul> <hr/> <p><b>Genre Focus:</b> Drama  <b>Writing Focus:</b> Drama Scene</p> <p><b>Text:</b> <i>The Tempest</i></p> <ul style="list-style-type: none"> <li>• <b>Key Terms:</b> characterization, chronological structure, dramatic structure, iambic pentameter, linear structure</li> </ul>	<p><b>Mathematics</b></p> <p><b>Accelerated Math 7</b></p> <p><b>Rigid Transformations and Congruence</b></p> <ul style="list-style-type: none"> <li>• <b>Key Terms:</b> sequence of transformations, transformation, coordinate plane, rigid transformation, vertical angles, alternate interior angles, transversal, tessellation</li> </ul> <p><b>Scale Drawings, Similarity, and Slope</b></p> <ul style="list-style-type: none"> <li>• <b>Key Terms:</b> scaled copy, scaled factor, scale, scale drawing, scale factor, center of dilation, dilation</li> </ul> <p><b>Algebra 1</b></p> <p><b>Linear Equations, Inequalities, and Systems</b></p> <ul style="list-style-type: none"> <li>• <b>Key Terms:</b> equivalent equations, solution to a system of equations, substitution, equivalent systems, systems of inequalities, solutions to a system of inequalities</li> </ul> <p><b>Functions</b></p> <ul style="list-style-type: none"> <li>• <b>Key Terms:</b> function notation, linear function, decreasing function, horizontal intercept, vertical intercept, piecewise function, absolute value, inverse function</li> </ul> <p><i>**The Board of Education adopted the mathematics curriculum, "Illustrative Math" by Imagine Learning, for the above courses.</i></p> <p><b>Honors Geometry</b></p> <p><b>Congruences &amp; Rigid Transformation</b></p> <ul style="list-style-type: none"> <li>• <b>Key Terms:</b> conjecture, perpendicular bisector, tessellation, assertion, rigid transformation, theorem, directed line segment</li> </ul> <p><i>**The content for the student workbooks is sourced from the Illustrative Math curriculum.</i></p>
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**Families:** Put this on your refrigerator and review at home!



## Page-Turners & Big Ideas

### Social Studies

#### World Studies 7/Global Humanities 7

##### Geography Shapes Latin America

Students investigate the geography of Latin America and the consequences of geographic modifications.

**Texts:** *My World Social Studies*, *Silver People: Voices from the Panama Canal* (Global Humanities 7 only)

- **Key Terms:** Aztec, Inca, physical characteristics of geography, human characteristics of geography, chinampas, canals, aqueducts

Social Studies standards are integrated throughout the unit. The standards are History, Civics, Peoples of the Nations and World, Economics, Geography, and Social Studies Skills.

### Science

#### Investigations in Life Science

##### Cellular Structure and Processes

In this unit, students learn how living things are built and how their parts work together to keep them alive.

- **Key terms:** Hydroponics, multicellular, organelles, passive and active transport, photosynthesis, cellular respiration

*\*\*No core instructional textbook*

[These](#) supplemental instructional materials might also be included in seventh grade. Supplemental materials are additional approved books for teachers to use to teach a topic. Ask your child's teacher for more information about supplemental materials used in your child's classroom. If any listed instructional material conflicts with your family's sincerely held religious beliefs, you may request your child's excusal by submitting [this request form](#). For additional information, visit [our website](#).

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