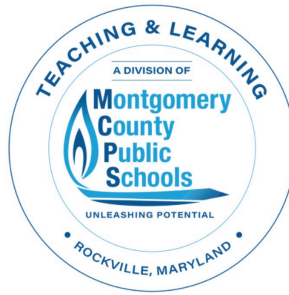


**Page-Turners & Big Ideas**  
**Eighth Grade: Science, Technology, and Math Magnet**  
**Quarter One**

<p><b>English</b></p> <p><b>Genre Focus:</b> Narrative  <b>Writing Task:</b> Short Story</p> <p><b>Text:</b> <i>Us, In Progress</i></p> <hr/> <p><b>Genre Focus:</b> Narrative  <b>Writing Task:</b> Personal Narrative</p> <p><b>Text:</b> <i>Narrative of the Life of Frederick Douglass</i></p>	<p><b>Mathematics</b></p> <p><b>Algebra 1</b>  <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.</i></p> <p><b>Honors Geometry</b>  <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> <p><b>Honors Algebra 2</b>  <b>Functions and Their Inverses</b></p> <ul style="list-style-type: none"> <li><b>Key Terms:</b> asymptote, end behavior, zero, factor, multiplicity, polynomial, inverse, minimum, maximum, turning points, rational function, logarithmic function</li> </ul> <p><i>**No core instructional textbook</i></p>
<p><b>Social Studies</b>  <b>Resistance and Revolution</b></p> <p><b>Text:</b> <i>Never Caught: The Washingtons' Relentless Pursuit of Their Runaway Slave, Ona Judge</i></p> <p><b>Ancient Egypt</b>  <b>Texts:</b> <i>My World Social Studies, A Long Walk to Water</i> (Global Humanities 6 Only)</p>	<p><b>Science</b>  <b>Investigations in Physical Science</b></p> <p><b>Matter and Its Interactions</b>  In this unit, students will observe and measure properties of matter.</p> <ul style="list-style-type: none"> <li><b>Key terms:</b> physical and chemical properties and changes, reaction, conservation of energy, conservation of mass/matter, energy transfer, synthetic materials, natural resources</li> </ul>

**Families:** Put this on your refrigerator and review at home!



### Page-Turners & Big Ideas

	<i>**No core instructional textbook</i>
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[These](#) supplemental instructional materials might also be included in eighth 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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