

	Math	Social Studies	Science	Language Arts
Trimester 1	<p><b>Chapter 1</b>  <u>Introduction</u>: Focus on problem solving, finding patterns, drawing diagrams, strategies</p> <p>Activities from Core Connections, Book 2:                      What is my number?                      How big is a million?                      How can I rewrite it?</p> <p>Converting from fractions to decimals to percents</p> <p><u>Introduction to Probability</u>                      Activities:                      Possible or impossible?                      Go Fish/Build your own fish tank                      The Mystery Spinner (kids enjoyed this)</p> <p>Theoretical vs. Experimental Probability</p>	<p>5 Themes of Geography;                      Geography Skills</p> <p><i>Middle East/Western Asia</i></p> <p>Features of Civilization</p> <p>Mesopotamia</p> <p>Indus River Valley</p> <p><i>Africa</i></p> <p>Egypt</p>	<p><b>Forces and Interactions</b>  <i>"How can one describe physical interactions between objects and within systems of objects?"</i>                      -Apply Newton's Third Law of Motion to relate forces to explain the motion of objects                      -Develop understanding about gravitational, electrical, and magnetic forces                      -Develop ideas that objects can exert forces on each other even though the objects are not in contact</p> <p><b>Energy</b>  <i>"How can energy be transferred from one object or system to another?"</i>                      -Understand the transfer of energy and energy in a system                      -Study kinetic and potential energy                      -Understand energy and temperature</p>	<p>Building Blocks/Foundational Skills                      --grammar                      --elements of story                      Myths                      --creation myths                      Narrative writing: Compose a Myth                      The Short Story                      --The Tell-Tale Heart (Poe)                      --The Celebrated Jumping Frog of Calaveras County (Twain)                      --The Necklace (DeMaupassant)                      --The Monkey's Paw (Jacobs)                      --The Legend of Sleepy Hollow (Irving)                      Greek &amp; Latin roots (vocabulary)</p>
Trimester 2	<p>-Statistics                      -Ratios and Unit Rates                      -Proportions                      -Percent proportions</p>	<p>Ghana</p> <p>Mali</p>	<p><b>Structure and Properties of Matter</b>  <i>"How can particles combine to produce a substance with different properties? How does thermal energy affect particles?"</i></p>	<p>Informational writing:                      Themes in short stories                      Novel: <i>The Giver</i> by Lois Lowry                      Research: Pioneers in</p>

		<p>Europe</p> <p>Greece</p> <p>Rome</p>	<p><i>-Apply understanding that pure substances have characteristic properties and are made from a single type of atom or molecule</i></p> <p><i>-Explain states of matter and changes between states</i></p>	<p>society</p> <p>Argument writing: Arguing for Justice</p>
<p>Trimester 3</p>	<p>-Expressions</p> <p>-Equations</p> <p>-Inequalities</p> <p>-Angles and triangles</p>	<p>Rome (cont.)</p> <p>Middle Ages</p> <p>Renaissance</p>	<p><b>Chemical Reactions</b></p> <p><i>"What happens when new materials are formed? What stays the same and what changes?"</i></p> <p><i>-Understand chemical reactions involve regrouping of atoms to form new substances and that atoms rearrange during chemical reactions</i></p> <p><i>-Apply an understanding of design and optimization in engineering a chemical reaction system</i></p> <p><b>Waves and Electromagnetic Radiation</b></p> <p><i>"What are the characteristic properties of waves and how can they be used?"</i></p> <p><i>-Describe and predict characteristic properties and behaviors of waves when the waves interact with matter</i></p> <p><i>-Apply understanding of waves as a means to send digital information</i></p>	<p>Shakespeare: A Midsummer Night's Dream</p>