

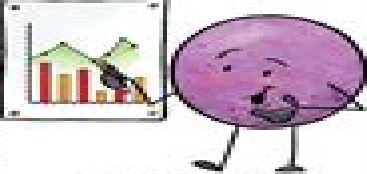

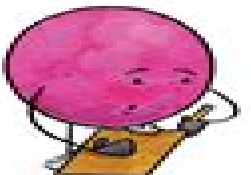


# HOW TO CREATE AN ENGAGING 5E MODEL MATH LESSON

Phase	Description	Activity Ideas
 <b>ENGAGE</b>	<ul style="list-style-type: none"> <li>Capture students' interest</li> <li>Encourage questions and critical thinking about the concept/skill after the engagement</li> <li>Uncover prior knowledge</li> <li>Set the stage for new learning</li> </ul>	<ol style="list-style-type: none"> <li>1. Short Game</li> <li>2. Picture Book</li> <li>3. Video Clip "Hook"</li> <li>4. Real-World Problem</li> <li>5. Connection to Previous Concept</li> </ol>
 <b>EXPLORE</b>	<ul style="list-style-type: none"> <li>Utilize a hands-on/minds-on activity to encourage investigation and inquiry</li> <li>Facilitate discussions as students work together while watching and listening to the students' interactions</li> </ul>	<ol style="list-style-type: none"> <li>1. Cooperative Learning Task</li> <li>2. Hands-on Learning Task using Manipulatives</li> <li>3. Investigation</li> </ol>
 <b>EXPLAIN</b>	<ul style="list-style-type: none"> <li>Explain and justify explore activity's discoveries or solutions (teacher or student)</li> <li>Introduce important terms and vocabulary</li> <li>Use varied questions and/or techniques to help students connect their exploration to the concept</li> </ul>	<ol style="list-style-type: none"> <li>1. Vocabulary Organizer</li> <li>2. Notes (teacher- or student-created)</li> <li>3. Foldables (teacher- or student-created)</li> <li>4. Explanatory Videos</li> </ol>
 <b>ELABORATE</b>	<ul style="list-style-type: none"> <li>Help students extend their understanding of the concept to new situations</li> <li>Incorporate use of important terms and vocabulary</li> <li>Apply knowledge to everyday lives</li> <li>Collaborate with others to connect new learning to prior knowledge/understanding</li> <li>Expand thinking</li> </ul>	<ol style="list-style-type: none"> <li>1. Problem Solving Task</li> <li>2. Group Investigation</li> <li>3. Real-World Task</li> <li>4. Independent Practice (not a basic worksheet)</li> <li>5. Game</li> <li>6. Stations Designed to Practice the Skill/Concept in a Variety of Ways</li> </ol>
 <b>EVALUATE</b>	<ul style="list-style-type: none"> <li>Demonstrate mastery, or progress towards mastery, either formally or informally of lesson objective(s)</li> <li>Discuss related questions</li> <li>Assess student progress through observations</li> <li>Determine next steps for instruction</li> </ul>	<ol style="list-style-type: none"> <li>1. Journal Task</li> <li>2. Traditional Worksheet</li> <li>3. Quiz</li> <li>4. Exit Ticket</li> <li>5. Problem Solving Task</li> <li>6. Observations and Anecdotal Notes</li> <li>7. Performance Task</li> </ol>

# Mathematics Models With Application Unit Lesson 04

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