

# Problem-Based Student Oriented Planning Template

<b>Content and Task Decisions</b>	<p><b>Guiding Benchmark</b>  <i>Think about your students. Is this learning goal new information? Do they have the prior knowledge necessary? Is this challenging?</i></p>		
	<p><b>RIGOR</b>  <i>What math skills and mathematical practices will need to be demonstrated to be successful with this task?</i></p> <p><i>How do I modify the task to provide access for struggling or advanced learners?</i></p>	<b>Skills and Modifications</b>	<p><b>Mathematical Practices</b>                      -Make sense of problems and persevere in solving them                      -Reason abstractly and quantitatively                      -Construct viable arguments and critique the reasoning of others                      -Model with mathematics                      -Use appropriate tools strategically                      -Attend to precision                      -Look for and make use of structure                      -Look for and express regularity in repeated reasoning</p>
	<p><b>Real Life Connection</b>  <i>When would <u>you</u> use this skill?</i></p>		
	<p><b>Student Task</b></p> <ul style="list-style-type: none"> <li>• Problem Based – Keep it simple</li> <li>• Engages students in the intended mathematics/learning target (conceptual, pictorial, abstract)</li> <li>• May have multiple solutions</li> <li>• Requires students to wrestle with the main ideas</li> </ul>		
<b>Teaching Actions</b>	<p><b>Student-Oriented:</b> <i>Develop parameters, structure, and focus for the assignment.</i></p>		
	<p><b>Launch</b>  <i>Before Phase 5 – 10 minutes</i></p> <ul style="list-style-type: none"> <li>• Get students Mentally Prepared</li> <li>• Be sure task is understood</li> <li>• Establish expectations</li> </ul>		
	<p><b>Explore</b>  <i>During Phase 15 – 20 minutes</i></p> <p><i>How will you assess student progress toward learning goals?</i>  <i>What questions will you ask to scaffold learning?</i></p>		
	<p><b>Summary</b>  <i>After Phase 15 – 20 minutes</i></p> <p><u>Solution Share: Math Talk</u>  <i>How will you document/record student solutions?</i>  <i>How will you connect student discoveries to the learning target?</i></p>		
	<p><b>Extension Ideas</b>  <i>What will children do after the lesson? Opportunities that could extend this activity.</i></p>		