

## STEM Lesson Template for Grade:

<b>Title:</b>	<b>Dates:</b>
<b><u>Driving Question:</u></b>	
<b>Science Standard(s):</b>	
<b>Technology Competencies:</b>	
<b>Engineering Challenge:</b>	
<b>Math Standard(s):</b>	
<b>Literacy Link (Standard):</b>	<b>Literacy Link (Passage):</b>
<b>Resources (Materials):</b>	<b>Resources (Faculty and Facility):</b>

<p><b>Collaboration:</b> Explain how students will collaborate and any technology they will use in this section. Ex. Students will work in groups of 3 to use what they have learned to design a set of experiments to solve the problem.</p>	<p><b>Communication (Oral Presentation):</b> Explain how students will share their results. Ex. Share what was learned; combine learning using Prezi.</p>
<p><b>Critical Thinking:</b> Explain what problem solving skill will be needed in order to complete the project. <a href="#">Depth of Knowledge Levels 3 and 4.</a> Ex. Students will design an investigation of erosion control materials.</p>	<p><b>Creativity (Voice and Choice):</b> Explain what the students will create to demonstrate their learning. If possible, create a menu of choices. Ex. Students will design, build, and test a tissue paper hot air balloon.</p>
<p><b>Hook or Launch:</b> Explain how you will get the students “hooked” on the project. Ex. Go outside and observe living and nonliving things in our environment.</p>	
<p><b>Science and Engineering Practices: (Check all that apply)</b></p>	<p><b>Formative Assessments (During Project): (Check all that apply)</b></p>
<p>Ask questions and define problems</p>	<p>Journal/Notebook</p>
<p>Develop and use models</p>	<p>Checklists</p>
<p>Plan and carry out investigation</p>	<p>Concept Maps</p>
<p>Analyze and interpret data</p>	<p>Quizzes/Tests</p>
<p>Use math and computational thinking</p>	<p>Class Discussion</p>
<p>Construct explanations</p>	<p>Other:</p>
<p>Engage in argumentation from evidence</p>	
<p>Obtain, evaluate, and communicate information</p>	