

**Lesson Title:**

**Summary:**

**Background:** *(the science embedded in the lesson)*

**Grade Level:**

**Time:**

**Lesson Format/Structure:** statement describing structure & possible link to the adopted model for the lesson (ex: Moulding or 5-E)

**Student Learning Objectives:** *(include civic components)*

SWBAT:

SWBAT:

**NGSS Performance Expectations:**

**NGSS Components Addressed:** The following elements of NGSS are addressed in each activity of the lesson, all of which will assist learners in developing proficiency in the associated performance expectations above.

Activity	Science & Engineering Practices	Disciplinary Core Ideas	Crosscutting Concepts
Activity #1	(6–8)	(6–8)	(6–8)
	Blended 3-D Teacher & Student Actions Teacher:  Student:		
	CC Math & ELA:		
	(6–8)	(6–8)	(6–8)
	Blended 3-D Teacher & Student Actions:		
	(6–8)	(6–8)	(6–8)
	Blended 3-D Teacher & Student Actions:		
	(6–8)	(6–8)	(6–8)
	Blended 3-D Teacher & Student Actions:		

Assessment(s) (demonstration of	
Formative Assessments	Summative Assessment
Activity 1:	

\*\*\*\*\*

**Activity 1 Title:**

**Activity 1 Essential Question:**

**Introduction** *(include specific science content addressed in activity)*

**Materials**

**Activity Sequence**

*(sequence which includes identification of students prior learnings, student actions for demonstrating developing proficiency in NGSS components)*

<b>Student Prior Knowledge</b>	
<b>Engagement (phenomena/ engineering scenario)</b>	
<b>Gathering Data or Exploration</b>	
<b>Reasoning or Explanation/ Elaboration</b>	
<b>Reflection or Evaluation</b>	
<b>Assessment(s)</b>	

**Additional Notes** (Differentiation, Extensions, Lab Safety, Clean-up):

**Additional Resources:**

**Designed using:**

Bybee, R. W., J.A. Taylor, A. Gardner, P. Van Scotter, J.C. Powell, A. Westbrook, and N. Landes. 2006. *The BSCS 5E instructional model: Origins and effectiveness*. Colorado Springs, Co: BSCS, 5, pp. 88-98.

Moulding, B., R. Bybee, and N. Paulson. 2015. *A Vision and Plan for Science Teaching and Learning*, Essential Teaching and Learning PD, LLC.