## Part 2 Lesson Plans

There are two segments to this section:

Segment A) Analyze an existing lesson plan using the template below:

Information about the Lesson						
Learning Theory	Bloom's Cognitive	Gardner's Multiple Intelligences	Lesson Type			
	Domain	x Verbal/Linguistic	x Present and Explain			
Behaviorism	<u>x</u> Remember	x Logical/Mathematical	Direct Instruction			
Cognitivism	<u>x</u> Understand	<u>x</u> Visual/Spatial	Concept Lesson			
Constructivism	<u>x</u> Apply	Bodily/Kinesthetic	<u>x</u> Inquiry-Based Lesson			
<u>x</u> Experiential	<u>x</u> Analyze	Musical/Rhythmic	<u>x</u> Cooperative Learning			
	<u>x</u> Evaluate	<u>x</u> Interpersonal/Social	x Project /Problem-Based			
	<u>x</u> Create	Intrapersonal/Self-aware	Learning			
		<u>x</u> Naturalist/Environmentally aware	<u>x</u> Classroom Discussion			

I am very content with the layout of this lesson. I think the amount of check marks above showcases the broad spectrum of domains, intelligences and lesson types that this activity utilizes. This will be the underlying theme when answering the questions to come. My reason for teaching this lesson is because it reaches beyond the classroom walls; it is applicable in the real-world. Students come back to me with stories of how they have applied what they learned or the connections they have made to the lesson. This should be a prime example of how effective of a lesson this truly is for students' learning. To have a student move on from the lesson physically, but still think about it when they have left the classroom, should be noted as a success for any teacher. The flexibility in the structure of this lesson offers many unique opportunities to differentiate. Being that this is inquiry and problem-based, students can create their own answers and ways of think; therefore, there is no wrong answer, only improvements to be made.

Segment B) Use the template below to show your newly created Lesson plan. NOTE\* what is listed on the lesson plan are only your changes. For example:

- a) Does your new lesson plan attend to a higher level of Bloom's or another of Gardner's Intelligences?
- b) Are different materials needed?
- c) Are there changes to your objectives?
- d) Do your guiding questions change?
- e) Do you need to change your formative and summative assessments?

## New Lesson Plan

Instructor: Benjamin Fowler		Class: 5 <sup>th</sup> Grade Day: 4		Date: 5/6/2020
		Science		
Learning Theory          Behaviorism         Cognitivism         Constructivism         Experiential	Bloom's Cognitive Domain _x_ Remember _x_ Understand _x_ Apply _x_ Analyze _x_ Evaluate _x_ Create	Gardner's Multiple Intellig _x_ Verbal/Linguistic _x_ Logical/Mathematical _x_ Visual/Spatial Bodily/Kinesthetic Musical/Rhythmic _x Interpersonal/Social Intrapersonal/Self-aware _x Naturalist/Environmenta	x  x x	esson Type _ Present and Explain _ Direct Instruction _ Concept Lesson _ Inquiry-Based Lesson _ Cooperative Learning _ Project /Problem-Based Learning _ Classroom Discussion
		ball, plastic spoon, pipette, fe brown paper bag, water, oil <b>Lesson Content and Desig</b>		ffee filter, yarn, rubber band,
Central Focus / Big Idea:	Cleaning an Oil Spill	8		
<ul> <li>Use your understa</li> <li>Assess your clear</li> <li>Improve your des</li> </ul>		s on how to contain or remove fectiveness to save the ecosys		
negative impacts Assessment: Assessing with communication, creativity <i>Formative:</i> Students will b	to the surrounding eco ill be taken throughout and critical thinking. be observed throughou	the activity. It will be based	on the grading crite	eria of 4 C's: collaboration,
• 5-ESS3-1: Obtair resources and env	vironment.	tion about ways individua co that would be changed to y		nce ideas to protect the Earth's
Elements	Minutes	that would be changed to y	Short Description	
Ask Imagine Plan	Preparation: 25-30 minutes <u>Lesson:</u> 50-55minutes	<ul> <li>Review steps of the engineering design process</li> <li>Discuss evaluation rubric and standards</li> <li>Explain lesson activity structure and layout</li> <li>Model "Ask, Imagine and Plan" steps of the engineering design process for students</li> </ul>		
Create	Preparation: 20-25 minutes <u>Lesson:</u> 55-60 minutes	<ul> <li>Create model ecosystem</li> <li>Implement clean up plans (containing and removing oil from model ecosystem)</li> <li>Calculate scores based on student rubrics</li> </ul>		

Improve	Preparation: 20-25 minutes	<ul> <li>Discuss improvements to your previous plan</li> <li>Present your findings to the class as a group</li> </ul>		
	Lesson: 55-60 minutes			