Name___Kylie Brickey____

Lesson Plan Template

Lesson Segment Focus_____Does Mixing Two Substances Form a New Substance?_____ Lesson ___1___of__1____

Course & topic addressed __Science-Structure and Properties of Matter___ Date_April 18, 2019_ Grade__5__

Student Outcomes

Specific learning objectives for this lesson.	Students will discover the indicators that a new substance has been formed. Students will conduct an investigation and analyze the results to determine if a new substance has been formed.
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	Students have previously learned about the properties of matter and materials. This lesson extends that knowledge by using it to determine if two substances mixed together form a new substance by observing what happens when they are mixed.
Knowledge of students background (personal, cultural, or community assets)	

State Academic Content Standards

List the state academic content standards with which this lesson is aligned. Include state abbreviation and number & text of the standard.	5-PS1-4 Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

Academic Language Support

What planned instructional supports might you use to assist students to understand key academic language to express and develop their content learning? What will you do to provide varying supports for students at different levels of academic language development?	The key vocabulary will be posted on the word wall in the room. The word wall will include the terms, definitions, graphics, pictures, and cognates for each term.

Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	**Temperature Change, Color Change, Odor Change, Formation of Gas**

Materials

Materials needed by teacher for **this lesson**.	Padlet Board Created (Was a New Substance Formed?) https://padlet.com/kyliebrickey/rjstujv5it4b Baking Soda Vinegar Balloons Funnels Small Bottles
Materials needed by students for **this lesson**.	iPads

Lesson Timeline with Instructional Strategies & Learning Tasks (This should be VERY DETAILED)

Amount of Time	Teaching & Learning Activities	Describe what YOU (teacher) will be doing and/or what STUDENTS will be doing during this part of the lesson.
5 mins	**Introduction**: Quick Explanation of Instructions	At the beginning of class, I will instruct the students to get into the groups that I have created. Then, I will tell the class that we will be conducting an investigation to determine whether the mixing of two or more substances results in new substances. I will instruct them to get out their iPads and to go to the Padlet that I have created titled "Was a New Substance Formed?" https://padlet.com/kyliebrickey/rjstujv5it4b
40 mins	**Instruction:** Padlet instruction/activity time. Experiment	The students will watch/read all of the information on the Padlet as a group. They will take a few quizzes and complete the experiment to go with the assignments. I will walk around the room and serve as a facilitator. I will answer questions if necessary and help to make sure the students are staying on task and completing the assignments in the correct order.

Amount of Time	Teaching & Learning Activities	Describe what YOU (teacher) will be doing and/or what STUDENTS will be doing during this part of the lesson.
5 mins	**Closure:** Post-Lab Questions	The students will answer the post-lab questions from the Padlet.

Accommodations/Modifications

How might I modify instruction for: Remediation? Intervention? IEP/504? LEP/ESL?	.The students are split into groups that I strategically created. I will pair lower level and upper level students together. I will also take into consideration the different levels of language acquisition in my students and any learning disabilities.

Differentiation:

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	**There are several types of activities going on in this lesson. Students are watching videos, reading articles, conducting an experiment, and answering questions. There are several steps for students to showcase their learning.**

Assessments: Formative and/or Summative

Describe the tools/procedures that will be used in this lesson to monitor students' learning of the lesson objective/s (include type of assessment & what is assessed).	☒ Formative /☐ Summative	New substance Quiz- Before the experiment, students will take a short Google Quiz to determine their understanding of if a chemical reaction took place.
	☒ Formative /☐ Summative	Before and after the experiment the students will answer Pre-Lab and Post-Lab questions. This will determine if the students understood what took place in the lesson and if they understood that a new substance was formed.
	☐ Formative /☐ Summative	

Research/Theory

Identify theories or research that supports the approach you used.	

Lesson Reflection/Evaluation

What went well? What changes should be made? How will I use assessment data for next steps?	*TO BE FILLED IN AFTER TEACHING*

Include supporting material such as slides, pictures, copy of textbook, and handouts for any activities students will be using as part of your lesson.

*adapted from: http://webcache.googleusercontent.com/search?q=cache:EsQcNWuG1ZoJ:web.mnstate.edu/harms/StudentTeachers/edTPA-LessonPlan.doc+&cd=2&hl=en&ct=clnk&gl=us; http://www.moreheadstate.edu/getmedia/cd3fd026-939f-4a47-a938-29c06d74ca01/Lesson-Plan-and-Reflections.aspx; http://www.mcneese.edu/f/c/9cb690d2/Lesson%20Plan%20Rubric%20Aligned%20with%20InTASC.docx;https://www.uwsp.edu/education/Documents/edTPA/Resource12.pdf; https://www.uwsp.edu/education/Documents/edTPA/Resource11.pdf; https://www.uwsp.edu/education/Documents/edTPA/Resource11a.pdf; https://www.uwsp.edu/education/Documents/edTPA/LessonPlanTemplateSOE.docx; https://www.uwsp.edu/education/Documents/edTPA/SpecEdLessonPlanGuide.docx; https://www.uwsp.edu/education/Documents/edTPA/SpecEdLessonPlanTemplate.docx