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Lesson Plan Template

Lesson Segment Focus: Scientific Method **Lesson: 1 of 1**

Course & topic addressed: Science and the Scientific Method **Date: November 14, 2018 Grade: 4th**

Student Outcomes

Specific learning objectives for this lesson.	Students will learn the 6 steps of the scientific method to construct their own science experiment.
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	Students have no previous connection to this lesson. This will be the first time they are introduced to scientific method.
Knowledge of students background (personal, cultural, or community assets)	Students may not have the financial needs to make their presentation or do an experiment at home so I will supply materials to those who need it.

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.	Obtaining, Evaluating, and Communicating Information Obtaining, evaluating, and communicating information in 3–5 builds on K–2 experiences and progresses to evaluate the merit and accuracy of ideas and methods. ♣ Obtain and combine information from books and other reliable media to explain phenomena. (4-ESS3-1)

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?	Depending on the level of language, I will give them easier subject matter.

Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	**Scientific method** **Hypothesis** **Observation** **Experiment** **Analysis**

Materials

Materials needed by teacher for **this lesson**.	Rubric, Smartboard
Materials needed by students for **this lesson**.	Laptops, iPads, Poster boards, markers, lab notebooks, decoration items, and subject matter for experiment

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.
15 Minutes	**Introduction**: Go over project and show video	Students will receive instructions on projects and what is expected.
45 Minutes	**Instruction:** Show iMovie and let them begin work	Show students the iMovie I created to teach them about the scientific method and let them grasp the concept, then allow students to use class time to begin working on project and I will walk around to monitor. They will finish the rest of the project at home.
10 Minutes	**Closure:** Finish up lesson	Have students finish up projects so they can take home to complete.

Accommodations/Modifications

How might I modify instruction for: Remediation? Intervention? IEP/504? LEP/ESL?	.Might not have student do project at home if in remediation, also might monitor 504 students.

Differentiation:

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	**I might create rubrics to give to the students so they can evaluate themselves as they work, or allow them to work in groups.**

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	
	☐ Formative /☐ Summative	
	☐ 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;
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