

Lesson Plan Template

Lesson Segment Focus: Earth Science **Lesson** 1 **of** 1

Course & topic addressed Nutrients and Water for plants and the planet **Date** November 2018 **Grade:** 2nd

Student Outcomes

Specific learning objectives for this lesson.	The students will be able to use “My Plane Simulation” to keep their planet alive
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	The students have learned what nutrients the planet and plants need in order to thrive.
Knowledge of students background (personal, cultural, or community assets)	The students have previously received a tutorial on the application. They know how to use it with ease.

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.	2-LS2-1 Plan and conduct an investigation to determine if plants need sunlight and water to grow.
--	---

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?	We will have a vocabulary list associated with words used in the 2 nd grade science textbooks. I will allow the students to use tablets to access the activity.
--	---

Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	Vegetation, energy, photosynthesis, sunlight
---	---

Materials

Materials needed by teacher for this lesson.	The materials needed by the teacher is an assessment that shows how long the students kept their planets alive.
Materials needed by students for this lesson.	The materials needed by the students are the class set of tablets/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 minutes	<u>Introduction:</u>	TTW tell the students that they are going to be using the tablets/iPads to work on a Planet simulation which will require them to use skills and efficiency to keep their planet alive.
30 minutes	<u>Instruction:</u> App Tutorial on smartboard Written Instructions Tablets Scaffolding	TTW give the students a tutorial of “My Planet Simulator”. TTW pull up the application on the smartboard and show the students the basics. TTW show the students how to feed the planet its nutrients (vegetation, sunlight, water) TTW show the students what happens if their planet gets too much or too little sunlight, vegetation or water. TTW allow the planet to die which is what happens when they do not feed their simulated plane the proper amount of nutrients. TTW provide the students with written instructions explicitly explaining how to properly feed their planet. TTW read the instructions to the students as well as hand them a hard copy. TTW allow the students to get their tablets. TTW ask a student to repeat the directions to the class to ensure comprehension. TTW tell the students to open their “My Planet Simulator” application on their tablets. TTW tell the students to set their username so the application will keep up with their score. TTW tell the students to begin. TTW walk around the classroom, scaffolding as needed.
10 minutes	<u>Closure:</u> Assessment	

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.
		TTW gather the data from the students tablets which tells her how long their planets lived before they died. TTW explain to the students how they must take care of their planet and plants in the real world to keep them alive.

Accommodations/Modifications

How might I modify instruction for: Remediation? Intervention? IEP/504? LEP/ESL?	. I can assign partners to the students can help each other use the application. I can also scaffold these students to ensure that they understand and can properly maintain their planet.
--	---

Differentiation:

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	I will provide a live tutorial on the smartboard. I will provide verbal instructions as well as written instructions. I will also allow the students to ask questions and scaffold as needed while they are working on the activity.
--	---

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).	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	
	<input type="checkbox"/> Formative / <input type="checkbox"/> 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?	<i>TO BE FILLED IN AFTER TEACHING</i>
---	---------------------------------------

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>