

Name Kayla Ward

Lesson Plan Template

Lesson Segment Focus Plant Growth

Lesson 1 of 3

Course & topic addressed Science-Plant Growth

Date 10/6/18 Grade 5

Student Outcomes

Specific learning objectives for this lesson.	Students will experience the growth of plant by watching their plant grow daily and making sure it gets plenty of water and sun.
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	Prior knowledge students should have is how and the needs for plants to grow. They could have potential photosynthesis knowledge background as well.
Knowledge of students background (personal, cultural, or community assets)	Students experience plants almost daily, especially if they are outside. They should know from experiencing it personally that plants live off sunlight and water and that too much or too little water could potentially kill a plant.

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-LS1-1: Support an argument that plants get the materials they need for growth chiefly from air and water.” –Arkansas State Science Standards
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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?	-After we plant the plant into the soil, we discuss how a plant uses water and plant food to grow. We will also discuss how and why plants need air and sunlight. They will have their plant with them so, for example, when we talk about the roots of the plants and its job, students can examine their plant’s roots and picture how their plant is getting its needs.
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Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	-sunlight, photosynthesis, plant, soil, roots.
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Materials

Materials needed by teacher for this lesson.	-spreadsheet,
Materials needed by students for this lesson.	One cup, soil, seed, enough water for plant, ruler, markers

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.
10 minutes	<u>Introduction:</u>	-Start getting the students their stuff. Have each student table go one by one to get a cup and scoop some dirt into it. Give each student a seed, there is three different plant seeds so make sure equal amount of students are getting different seeds, and have them push it down into the soil, but on the side of the cup that way we can see how much it's grown and measure it. Then, pass out a small amount of water, just enough for the seed, and have the students pour it into the cup.
40 minutes, could potentially take less.	<u>Instruction:</u>	-We will have a small lecture about the parts of the plants and their jobs. After the lecture we will discuss the purpose of this experiment and how they are to measure their plants. They will water their plants every morning when they walk into the classroom and place it back onto the window sill so it can continue getting sunlight. They won't, however, measure their plants growth until the end of the day. After they measure their plant, they will write it down in their "data journal." After two weeks of this, they will give me their journal and I will make a spreadsheet with all of their information and compare it all.

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	Closure:	-After the lecture and the instructions, the students with plant one will color code their cup with red, students with plant two will color code their cup with blue, and students with plant three will color code their cup with green. The students will then place their cups on the window sill and return back to their seats.

Accommodations/Modifications

How might I modify instruction for: Remediation? Intervention? IEP/504? LEP/ESL?	I think this experiment will be pretty simple for special students. The only part that would be a little difficult would be the measuring so on that part, I would have them hold their plants while I measure for them, but I would show them how I got what I got and to make sure they are okay with the answer I got, that way they'll feel like they have a say since it's their plant.
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Differentiation:

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	-This is a class experiment for the whole lesson so there won't really be any tests or worksheets on this. To make sure my students' needs are being met is when they turn in their data journal to make sure they are measuring right.
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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.	
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Lesson Reflection/Evaluation

What went well? What changes should be made? How will I use assessment data for next	<i>TO BE FILLED IN AFTER TEACHING</i>
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steps?	
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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>;
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