

Lesson Plan

Learning Segment Focus – Growth of plants Lesson - 1 of 2

Course & topic addressed – Life Science; growth of plants due to water and sun light Date – 12/01/2020 Grade – Second

Student Outcomes

Specific learning objectives for this lesson.	Students will be able tell whether or not plants need sunlight and water to grow.
Justify how learning tasks are appropriate using examples of students’ prior academic learning.	Understanding that all living things need water to survive is very important. Students will already understand that water will be needed, but how much.
Justify how learning tasks are appropriate using examples of students’ personal, cultural, linguistic, or community assets.	Many students can see the ecosystem around them to make observations about water and sunlight needed for plant growth.

State Academic Content Standards

List the state academic content standards with which this lesson is aligned. Include abbreviation, number & text of the standard(s).	LS2.A: Interdependent Relationships in Ecosystems <ul style="list-style-type: none"> ▪ Plants depend on water and light to grow.
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Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the content?	Sunlight, container, Water, moisture, Soil
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Academic Language Support

<p>What are the Academic Language Function(s) (the content and language focus of the learning task represented by the active verbs within the learning objectives/outcomes) and explain how they are utilized in the lesson plan?</p> <p>What planned Academic Language Supports will you use to assist students in their understanding of key academic language to express and develop their content learning and to provide varying supports for students at different levels of Academic Language development? How do these supports address all three Academic Language Demands (vocabulary, syntax, and discourse)?</p>	
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Materials

Materials needed by teacher for this lesson. (such as books, writing materials, computers, models, colored paper, etc.)	Mason jar, gravel, soil, plant seeds, water bottle
Materials needed by students for this lesson. (computers, journals, textbook, etc.)	All materials given by teacher

Lesson Timeline with Instructional Strategies & Learning Tasks

Amount of Time	Teaching & Learning Activities (This should be a BULLETED LIST)	Describe what YOU (teacher) will be doing and/or what STUDENTS will be doing during this part of the lesson. (This should be VERY DETAILED)
	<p>Introduction:</p> <ul style="list-style-type: none"> • Teach lesson about water and light needed for plant growth • Show padlet pertaining to lesson 	<p>TTW begin the lesson by pulling out a flower in a pot. She will ask the students how it grows. After discussing all aspects need for plant growth, they will discuss what is harmful to plant growth so students know what not to do. After discussing all plant growth material, TTW pull up the padlet on growing a plant from a seed. After going through all the steps, TSW start from scratch making their own.</p>
	<p>Instruction:</p> <ul style="list-style-type: none"> • Discuss the living things needing water • Discuss living things needed energy • Discuss steps to grow a plant • Begin putting together a plant 	<p>TTW pass out mason jars. Next, she will give each student a small pouch of gravel to put in the bottom of their mason jar. Once the gravel is in the jar, TTW pass out the individually bagged soil to put in the jars on top of the gravel. Before adding the soil, she will let each student pick the seed they want to grow in their jar. They will add half of the soil, then a couple seeds, and the remaining soil. After covering the seeds with soil, TTW pass around the water bottle for each student to spray on top of the soil until it is moist all the way through. TSW place all of the jars in the window seal to keep warm. They will spray them everyday to ensure moisture is kept.</p>
	<p>Closure:</p> <ul style="list-style-type: none"> • Steps to keep and eye on the plants for health will be given to the students. 	<p>TTW tell the students to check the plants everyday for growth and dryness. If the plant is too dry more water should be added.</p>

Accommodations/Modifications

<p>How might I modify instruction for: <i>Remediation?</i> <i>Intervention?</i> <i>IEP/504?</i> <i>LEP/ESL?</i> (All students who have plans mandated by</p>	<p>.Any scaffolding will be offered to a student with needed assistance.</p>
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federal and state law.)	
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Differentiation

How might you provide a variety of techniques (enhanced scaffolding, explicit instruction, contextualized materials, highlighters/color coding, etc.) to ensure all student needs are met? (All students who are not on specific plans mandated by federal and state law.)	If the students need accommodations, they will be met by whatever means necessary.
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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 checked="" type="checkbox"/> Formative / <input type="checkbox"/> Summative	Each day the students come to class, observations will be made about the plants.
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	

Research/Theory

Explain connections to theories and/or research (as well as experts in the field or national organization positions) that support the approach you chose and justify your choices using principles of the connected theories and/or research.	
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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>
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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>;
<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>;
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