

Google Sheets Lesson Plan- Water, Water Everywhere

Lesson Segment Focus: Water Reservoirs

Lesson 1 of 1

Course & topic addressed: Science, Earth's Systems

Date: 4-9-19 Grade: 5th Grade

Student Outcomes

Specific learning objectives for this lesson.	<ul style="list-style-type: none"> • Students will evaluate and predict the amount of water that goes into fresh water systems yearly. • Students will design a graph that shows the amount of water that goes into a freshwater source in 5 weeks.
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	Students have graphed their trash collections this years so they are familiar with the type of program that graphs calculations. They've designed investigations this year as well as last year. They know how to design an experiments and carry out the investigation.
Knowledge of students background (personal, cultural, or community assets)	Student know about graphing and about carrying out investigations. Every student has probably experiences a time when it rained hard and rivers or ponds near them rose to abnormal levels. They will understand the concepts proposed for the lesson.

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-ESS2-2• Describe and graph the amounts of salt water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth
--	---

Academic Language Support

<p>What planned instructional supports might you use to assist students to understand key academic language to express and develop their content learning?</p> <p>What will you do to provide varying supports for students at different levels of academic language development?</p>	The teacher will use videos and various leveled texts to insure understanding for everyone. Students will work in groups, this will allow for collaboration between peers for understanding.
---	--

Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	Freshwater, graphs, investigation, charts, rivers, groundwater, streams, lakes, ponds, water level, reservoir, salt water
---	---

Materials

Materials needed by teacher for this lesson .	Google, Internet, YouTube, Computer, Smart-Board
Materials needed by students for this lesson .	Computers, PowerPoint, Google Sheets, Internet

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.
1 hour	<u>Introduction:</u>	
7 minutes	Students will enter the rooms and the teacher will play a video as an opener.	<ul style="list-style-type: none">• Students will enter and go to their predetermined groups. The teacher will play a video on water (https://youtu.be/oaQCi wzjnCM).

20 minutes	<p><u>Instruction:</u></p> <p>Groups will be assigned a source of water to study.</p> <p>Students will create a graph.</p>	<ul style="list-style-type: none"> • Groups will assign research roles and will receive their assignment. • Students will research their water source. • Students will create a graph that shows the amount of water added to a water source over a five week period (they should look for this information online).
15 minutes	<p>Groups will create a presentation to show their findings about their water source.</p>	<ul style="list-style-type: none"> • Groups will create a PowerPoint about their water source.
18 minutes	<p><u>Closure:</u></p> <p>Students will present their PowerPoints.</p>	<ul style="list-style-type: none"> • Students will present their PowerPoints.

Accommodations/Modifications

<p>How might I modify instruction for:</p> <p>Remediation?</p> <p>Intervention?</p> <p>IEP/504?</p> <p>LEP/ESL?</p>	<p>The teacher will use videos and various leveled texts to insure understanding for everyone. Students will work in groups, this will allow for collaboration between peers for understanding. Small group interventions with the teacher can be done.</p>
---	---

Differentiation:

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	Groups, videos, graphing, and presentations provide a variety of ways for students to learn.
--	--

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	PowerPoints will be assessed.
	<input checked="" type="checkbox"/> Formative / <input type="checkbox"/> Summative	Graphs will be assessed.
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	

Research/Theory

Identify theories or research that supports the approach you used.	N/A
--	-----

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> N/A
---	--

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>