



TECHNOLOGY-CONNECTED LESSON PLAN

<i>Lesson Plan Number</i> (Check one box)	1	2	3	4
	<input checked="" type="checkbox"/>			

(please type)

Name: Ashley Pittman	School: Middle School
-----------------------------	------------------------------

Lesson Title:	Planet Measurements
Grade Level/Subject Area:	7 th Grade Earth Science
Student Profile:	Number of Students: 30
	Number of Students with Special Needs: 0
	Area of Specialties:
<u>Performance Objectives:</u>	<p>After completion of the lesson, students will be able to: (use action verbs)</p> <ul style="list-style-type: none"> Using the “Planet Measurement Activity” wiki and the nineplanets.org website, students will be able to identify and record the relevant planetary measurements: distance the planet is from the sun, diameter, mass, number of moons, and on-surface temperature variations (if known). Students will be able to assemble and organize the information into the chart on the wiki (http://planetmeasurementactivity.wikispaces.com/) Students will be able to present their information orally to the class as they compare and contrast the various measurements for each planet (measurements listed above).
<u>Curricular Connections:</u> (QCC/IEP/Local or National Standards)	
<u>Assessment:</u>	Placed below
Technology Connections:	Internet, Computer, whiteboard, and projector
Materials:	Internet, Computer, whiteboard, projector, and student’s paper and pencil
Related URLs:	1. nineplanets.org

	2. http://planetmeasurementactivity.wikispaces.com/
Procedures: (Please number your procedures.)	<u>Whole Group:</u> Introduction –The whole group will go over the instructions together. The teacher will go over the directions with the class via the whiteboard and projector and demonstrate how to edit the Planet Measurement wiki (listed in the directions).
	<ol style="list-style-type: none"> 1. Designate members of your group to perform the following jobs: Recorder of Information, Computer User(s), Final Presentation/Table Creator 2. Go to the following website: http://nineplanets.org/ (Press Ctrl key then click on site. This will open the site in a new window.) 3. Choose the link that corresponds with your planet 4. On your own paper, record the information needed to complete the table below (information needed for your planets only) 5. Once information for both planets has been gathered, return to this page. 6. Click on the "Edit" button in the upper right hand corner of the page. 7. Collaborate with your group to fill in the information you gathered in the chart below.
	<u>Small Group:</u>
	<u>Cooperative Group:</u> 1. Students are then grouped into 8 small groups 2. Using the following URLs, the students will complete the lesson found on the wiki site: nineplanets.org http://planetmeasurementactivity.wikispaces.com/ 3. When the lesson has been completed by each group, the students will present their findings to the class.
	<u>Individual:</u>
Classroom Management:	<u>Technology Management Strategy:</u>
	<u>Instructional Groups:</u> Whole Groups and Cooperative Groups
Accommodation (Lesson Plan #3 only):	

Assessment

Name/Date _____

The following scale will be used to see how well a student did:

Planet Measurement Activity Rubric	
100%- 90%	<ul style="list-style-type: none">• Student followed directions correctly and completed the assignment neatly.• Student assisted group members in completing the task and cooperated effectively.• Student identified the correct planetary measurements (distance the planet is from the sun, diameter, mass, number of moons, and on-surface temperature variations (if known)).• Student placed the measurements found at the nineplanets.com website into the chart on the Planet Measurement wiki correctly with 100% accuracy.• Student demonstrated good communication skills during their presentation to the class: no "umms," "uhhs," or shuffling nervously.
89-80%	<ul style="list-style-type: none">• Student followed directions with one to two errors.• Student assisted group members in completing the task.• Student identified the correct planetary measurements (distance the planet is from the sun, diameter, mass, number of moons, and on-surface temperature variations (if known)) with 90% accuracy.• Student placed the measurements found at the nineplanets.com website into the chart on the Planet Measurement wiki correctly with 80% accuracy. <p>Student demonstrated good communication skills during their presentation to the class:</p>

	<p>one to two "umms," "uhhs," or shuffling nervously.</p>
<p>79-70%</p>	<ul style="list-style-type: none"> • Student followed directions with three to four errors. • Student attempted to assist group members in completing the task. • Student identified the correct planetary measurements (distance the planet is from the sun, diameter, mass, number of moons, and on-surface temperature variations (if known)) with 80% accuracy. • Student placed the measurements found at the nineplanets.com website into the chart on the Planet Measurement wiki correctly with 70% accuracy. • Student demonstrated good communication skills during their presentation to the class: three to four "umms," "uhhs," or shuffling nervously.
<p>69% and below</p>	<ul style="list-style-type: none"> • Student followed directions with five or more errors. • Student did not attempt to assist group members in completing the task. • Student identified the correct planetary measurements (distance the planet is from the sun, diameter, mass, number of moons, and on-surface temperature variations (if known)) with 70% accuracy or less. • Student placed the measurements found at the nineplanets.com website into the chart on the Planet Measurement wiki correctly with 70% accuracy or less. • Student demonstrated poor communication skills during their presentation to the class: more than five "umms," "uhhs," or shuffling nervously.