

Sci 465 Course Project Science Unit

Create a lesson plan for a science unit that takes 3 -5 class periods to be used in an elementary classroom. Identify the grade level you are targeting. Some aspect of *scientific inquiry* must be addressed so that the students engage in the process of science.

Include learning goals (what the students will be able to do after completing the Unit).

Create a 1 page flyer with less than 200 words to demonstrate to teachers what content they can expect from the lessons.

Use at least 4 resources (only 3 can be online). **Due 11/14**

Optional early feedback – turn in to physics department office. **Due 11/16**

Pick a 20 minute section of the lesson to teach your group. Create 5 assessment questions to use on your group members (you will test them before your presentation day and after the lesson). **11/28 or 11/30**

You will be asked to evaluate all of your fellow group member’s presentations. **Only** what is **“Taught” to you** can be evaluated. Other material that will **be taught before or after** the 20 minute portion is **irrelevant** to your evaluation.

12/3 Final version of the project due.

Evaluation of Final Project

Project Title _____

Name _____

4 resources identified by deadline	(4 pts) _____
Learning Goals	(5 pts) _____
Appropriate level	(5 pts) _____
Reasonable length of time	(5 pts) _____
Students engage in Scientific Inquiry	(7 pts) _____
Flyer	(4 pts) _____
Content and assessment questions address learning goals	(15 pts) _____
Mechanics (spelling, punctuation, grammar, etc.)	(5 pts) _____
Classmate learning based on assessment questions	(10 pts) _____
Classmate reviews of 20 minute lesson only	(20 pts) _____
Grading of other group members and completion of assessment questions	(20 pts) _____

Evaluator Name _____

Project _____

Name _____

I Presentation

Comments:

- 1. Well organized, clear instructions (1-10) _____
- 2. Appropriate length of time (1-5) _____

II Content

- 1. Appropriate grade level (1-10) _____
- 2. Engaged in Scientific Inquiry (1-5) _____
- 3. Content addresses learning goals (1-15) _____
- 4. Appropriate assessment questions for material covered (1-5) _____

TOTAL _____

Evaluator Name _____

Project _____

Name _____

I Presentation

Comments:

- 1. Well organized, clear instructions (1-10) _____
- 2. Appropriate length of time (1-5) _____

II Content

- 1. Appropriate grade level (1-10) _____
- 2. Engaged in Scientific Inquiry (1-5) _____
- 3. Content addresses learning goals (1-15) _____
- 4. Appropriate assessment questions for material covered (1-5) _____

TOTAL _____

Evaluator Name _____

Project _____

Name _____

I Presentation

Comments:

- 1. Well organized, clear instructions (1-10) _____
- 2. Appropriate length of time (1-5) _____

II Content

- 1. Appropriate grade level (1-10) _____
- 2. Engaged in Scientific Inquiry (1-5) _____
- 3. Content addresses learning goals (1-15) _____
- 4. Appropriate assessment questions for material covered (1-5) _____

TOTAL _____