Applications Project – 21st Century skill Unit

Create a lesson plan for a science unit that takes 3 -5 class periods. Identify the elementary grade level you are targeting. Some aspect of *scientific inquiry/21st Century Skills* must be addressed so that the students engage in the process of science (investigation, observation, using models, etc…) Students should be figuring things out for themselves and be aware of the scientific process(es) involved. Explicit instruction about the 21st Century skills involved is required.

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

Create a 1 page flyer with less than 200 words to demonstrate to teachers what content they can expect from the lessons. Basically a nice flashy clear advertisement for your lesson.

Resources and Learning Goals **Due 4/7**: Use at least 4 resources (only 3 can be online). Learning goals including scientific inquiry skill(s) to be learned.

Optional early feedback. **Due 4/11**

Group Presentation:

- Pick a 20 minute section of the lesson to teach your group.
- Provide specific learning goals for this 20 minutes
- Create 5 assessment questions to use on your group members (you will test them before your presentation day and after the lesson). 4**/23 or 4/25**
- Grade the assessment questions to identify student learning
- Write a short reflection on how the lesson went and what you might change based on the experience.

You will be asked to evaluate all of your fellow group members' 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.
- Provide useful feedback on the lesson. For example, explain why full points were not given in each category.

4/30 Final version of the project due.

Evaluation of Final Project

Project Title_____ _____ **Name** _____

4 resources identified by deadline	(4 pts)_____
Learning Goals	(5 pts)_____
Lesson fits identified grade level	(5 pts)_____
Reasonable length of time	(5 pts)_____
Scientific Inquiry: Students engage in the process of science	(7 pts)_____
Flyer	(4 pts)_____
Content and assessment questions address learning goals	(15 pts)_____
Mechanics (spelling, punctuation, grammar, etc.)	(5 pts)_____
Assessment with results and reflection on 20 minute lesson	(10 pts)_____
Classmate reviews of 20 minute lesson	(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 (0-10) _____
2. Appropriate length of time (0-5) _____

II Content

1. Appropriate grade level (0-10) _____
2. Engaged in *process* of science (0-5) _____
3. Learning Goals (0-5) _____
4. Content addresses learning goals (0-10) _____
5. Appropriate assessment questions for material covered (0-5) _____

TOTAL _____

Evaluator Name _____

Project _____ Name _____

I Presentation Comments:

3. Well organized, clear instructions (0-10) _____
4. Appropriate length of time (0-5) _____

II Content

6. Appropriate grade level (0-10) _____
7. Engaged in *process* of science (0-5) _____
8. Learning Goals (0-5) _____
9. Content addresses learning goals (0-10) _____
10. Appropriate assessment questions for material covered (0-5) _____

TOTAL _____

Evaluator Name _____

Project _____ Name _____

I Presentation Comments:

5. Well organized, clear instructions (0-10) _____
6. Appropriate length of time (0-5) _____

II Content

11. Appropriate grade level (0-10) _____
12. Engaged in *process* of science (0-5) _____
13. Learning Goals (0-5) _____
14. Content addresses learning goals (0-10) _____
15. Appropriate assessment questions for material covered (0-5) _____

TOTAL _____