

Out of the Rock Lesson Plan

Due Date:

The *Out of the Rock Workshop* assignment is to create a lesson plan demonstrating how you will incorporate the workshop content into your classroom instruction.

The lesson will include general plans detailed on the attached template and all parts must be completed. The lesson plan includes:

- Correlations to grade specific learning standards (e.g. Idaho Science Standards, proposed Idaho State Science Standards or Next Generation Science Standards)
- Learning objectives
- Content to be covered
- One or more activities
- NGSS Science and Engineering Practices (address two)
- Assessments
- Rubric(s) assessing learning objectives and practices

Within the rubric(s) you will define/describe the evidence or criteria demonstrated by the students to show if they have reached the various levels of proficiency for each learning objective and Science and Engineering Practice that you have selected to address in your lesson plan.

NGSS Science and Engineering Practices

1. Asking questions (for science) and defining problems (for engineering)
2. Developing and using models
3. Planning and carrying out investigations
4. Analyzing and interpreting data
5. Using mathematics and computational thinking
6. Constructing explanations (for science) and designing solutions (for engineering)
7. Engaging in argument from evidence
8. Obtaining, evaluating and communicating information

Completed lesson plan template and rubrics should be emailed to:

Judy Walling
National Energy Foundation
judy.walling@nef1.org

If you have questions, please call Judy at 208-866-1364.



Out of the Rock Lesson Plan

Participant Name: _____

Materials:

Lesson Plan Title: _____

Grade Level(s): _____

Time Frame: _____

Learning Standards: *Include two or three standards from current Idaho Science Standards, proposed Idaho State Standards or Next Generation Science Standards.*

Procedure:

Learning Objectives:

Project/Activity:

Next Generation Science Standards (Science and Engineering Practices) to be addressed. Choose two.

Assessment Plans and Documents: *(attach: e.g. tests, checklists, observation protocols and required rubric)*

References and Resources:

Background Information:

Possible Place-based Connections and Contacts:



Attainment of Learning Objectives

Learning Objective	12 Exemplary	9 Proficient	6 Developing	3 Minimal	Score

Attainment of Science and Engineering Practices

Practices	12 Exemplary	9 Proficient	6 Developing	3 Minimal	Score