



Science Discovery Days

Teams will develop a science lesson for elementary students targeting a single concept. Teams will be required to prepare a lesson outline, hands-on activities, worksheets, and assessments.

(1) Topic

What topic will you teach? Choose a single topic that would be appropriate for elementary students. Search lesson plan books, Internet resources, or science references for ideas.

(2) Lesson Goals

What do you want the students to learn? Write one or two objectives for your lesson. Focus your activities, worksheets, and assessments on your lesson objectives.

(3) Activities

What will your students do? What types of activities will they complete? Hands-on activities are those activities that students can do or experience. Building models, performing simple experiments, or manipulating materials gives your students the chance to investigate the topic.

(4) Assessment

How will you evaluate student learning? Quick quizzes, finished projects, or interviews will help you determine if the students have a grasp of the topic.

(5) Worksheets

Each group is required to prepare a worksheet for their lesson. The worksheet may be used to introduce the lesson, record information from the lesson, or evaluate student learning.

(6) Appeal

Will your lesson be fun? Will it be appropriate for their age? Will you provide materials or goodies that students can take with them?

(7) Time Limit

You will have approximately _____ minutes to teach your topic. Plan lessons that will fit within the time frame.

A grade rubric has been provided on the back of this worksheet. Grades for this unit will be counted as a test grade. Your unit grade will depend on teamwork as well as the success of your lesson.

Happy teaching!



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Grade Report

Group Members:

TOPIC: _____

1. Preparation +10 _____
Were you ready for activity?
Did you use the time allowed wisely?
2. Knowledge of Topic + 5 _____
Were you able to explain the topic?
Were you able to answer questions?
3. Activities/Worksheet +10 _____
Did you use hands-on activities to teach your topic?
Were the activities appropriate for the students?
Was the worksheet appropriate for the students?
4. Assessment + 5 _____
Did you develop an accurate method for assessing student learning?
5. Teamwork + 5 _____
Did all members of the group contribute to the project evenly?
6. Appeal To Students + 5 _____
Did each student learn a new idea from your session?
Did the students enjoy your session?

Comments:

Grade = _____% _____



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Lesson Plan

Group Members:

- (1) What topic will you teach?

- (2) What do you want the students to learn? Write your lesson objectives.

- (3) What will your students do? What types of activities will they complete?

- (4) How will you evaluate student learning?

- (5) What type of worksheet will you need? What information will be included?

- (6) Other stuff to consider:
 - Will it be appropriate for their age?
 - Will you provide materials or goodies that students can take with them?
 - Will your lesson fit within the time allowed?

Plan approved by _____ Date _____