

# Learning Cycle Lesson Plan Template

**Name:** \_\_\_\_\_ **Lesson Title:** \_\_\_\_\_

**Grade Level:** \_\_\_\_\_ **Lesson Topic:** \_\_\_\_\_

**Concepts to be invented:** (What is the main science idea? Please state the concept clearly in the form of a complete sentence/definition.)

Additional concepts that are important to Expansion:

**Materials Needed:**

**Safety Precautions and/or Special Procedures:**

**Phase 1: Data-Collection/Exploration**(Which process skills will the students use and what will the students do?)

Process skills:

Exploration activity:

**Phase 2: Data-Processing/Concept Invention** (How will you help the students construct the lesson's concept? What key questions will you use and what procedures or steps will be followed?)

Key questions and desired answers:

What procedures/steps will you follow to help students construct the concept? What is the concept state you hope is constructed?

**Phase 3: Application/Expansion of the Concept** (Which process skills will the students use and what activities will be used? Please explain the procedures or steps to be taken.)

Process Skills:

Activity (procedures/steps):

Typical expansion activities and discussion questions relate to the following categories: *Science in personal and social perspectives, Science and technology, Science as inquiry, History and nature of science.*

# Lesson Plan Evaluation Form

Name(s): \_\_\_\_\_ Course/Date: \_\_\_\_\_

## CRITERIA

RATINGS: Low 1 2 3 4 5 High

1. *Concept* is clear, succinct and scientifically accurate \_\_\_\_\_
2. *Safety* precautions identified \_\_\_\_\_
3. *Exploration* phase is student-centered \_\_\_\_\_
4. *Exploration* phase instructions do not name/tell the concept \_\_\_\_\_
5. *Data-processing* phase includes a teaching procedure which leads to the concept \_\_\_\_\_
6. *Data-processing* phase introduces/reinforces specific language of the concept \_\_\_\_\_
7. *Application* phase applies the concept \_\_\_\_\_
8. *Application* phase implements national Science goals; shows correlation \_\_\_\_\_
9. *Materials* and/or *references* \_\_\_\_\_

Average score/grade: \_\_\_\_\_

Comments/suggestions: