

SCED 322 Inquiry Lesson Template TPA2013

by Jennifer Dechaine Berkas

Lesson Title

Lesson Segment Overview

Provide a brief overview of your science concept and accompanying lesson. Describe and justify grade level suitability, expected time frame, and placement (e.g., first lesson in the unit) for lesson. How does this lesson fit within the broader conceptual sequence of the unit?

Standards

NGSS Standards (at least three)

No standards added.

CCSS Standards (at least one)

No standards added.

Components

Learning Objectives and Targets

The content learning objective defines what the student should know and be able to do upon completion of the lesson. The language learning objective identifies the academic language associated with the content. All learning objectives must be appropriate and *measurable*. "Students will be able to..."

Knowledge Objective:

Skill Objective:

Language Objective:

The learning target is a student friendly objective. Write one learning target for

each objective. "I can..."

Knowledge Targets:

Skill Objective:

Language Objective:

Vocabulary

List at least two key content specific vocabulary (Tier 3 words from the CCSS) and two key general academic vocabulary (Tier 2 words from the CCSS) for this lesson. Provide a grade-level specific definition of each.

Content specific 1:

Content specific 2:

Academic specific 1:

Academic specific 2:

Safety and classroom management considerations

Describe any safety concerns that are associated with your inquiry lesson, including materials handling, restrictions for use, and disposal. Describe all classroom management considerations such as grouping students, distributing materials, and transitions.

Lesson Events

Include a narrative form of all anticipated teacher and student behaviors towards the mastery of the objectives, learning, and language targets. Your lesson should be written in the 5E form. Evaluate will be written separately in the performance section of the lesson plan.

Each stage of the learning cycle should include an estimated timeline, focus questions (teacher-generated), and strategies for eliciting student voice. How will you elicit student expression of their understanding of the learning targets and why they are important?

Engage

Explore

Explain

Extend

Lesson Rationale

Justify all of your instructional decisions leading to the lesson plan for this context. Cite learning theory and best practices. Include all references in the Resources section at the bottom of this lesson plan. This needs to be specific and complete enough to convince a knowledgeable parent that your instructional decisions are appropriate and supported by evidence.

Performance

Assessment (Evaluation)

List assessment indicators from all points of the lesson (e.g., pre, during, and post lesson) that assess ALL learning objectives. Discuss the assessment methodology (e.g., formative, summative, etc.) that will be employed throughout the lesson. Specifically identify points of data collection.

Make sure there is deep alignment between knowledge and skill outcomes, the inquiry activity, and the assessment plan. In other words, it should be made *explicitly* clear how your assessment(s) help achieve the student learning objectives through your activity. The checklist assessment (below) should be used to evaluate one knowledge (content), skill (content), and language outcome for your lesson.

Checklist Assessment Tool

One knowledge, one skill, and one language objective for your lesson will be assessed and cataloged using a checklist. One of these two objectives should align with your group's Prior Knowledge Assessment (unit plan). The checklist consists of a column for student names and a separate column for each key outcome assessed. At the bottom of the checklist, there needs to be a brief description of what exceeding standard, meeting standard, and approaching

standard looks like for each key outcome. Fill out the Checklist Assessment Rubric below.

Checklist Assessment Rubric

	Exceeds Standard (0.000 pt)	Meets Standard (0.000 pt)	Approaching Standard (0.000 pt)
Knowledge Objective (specifically list it here)	Describe student actions and outcomes that show you they exceed standard for key outcome 1.	Describe student actions and outcomes that show you they meet standard for key outcome 1.	Describe student actions and outcomes that show you they are approaching, but don't yet meet, standard for key outcome 1.
Skill Objective (specifically list it here)	Describe student actions and outcomes that show you they exceed standard for key outcome 2.	Describe student actions and outcomes that show you they meet standard for key outcome 2.	Describe student actions and outcomes that show you they are approaching, but don't yet meet, standard for key outcome 2.
Language Objective (specifically list it here) (1.000, 100%)	Describe student actions and outcomes that show you they exceed standard for key outcome 3.	Describe student actions and outcomes that show you they meet standard for key outcome 3.	Describe student actions and outcomes that show you they are approaching, but don't yet meet, standard for key outcome 3.

Supplemental Info

Teacher Background Info

Provide a college-level explanation (at the SCI 101 level) of the scientific concept for your lesson, including at least 2 references that support this explanation.

Student Voice

Describe your strategies to elicit student expression of their understanding of the learning targets and why they are important. This includes how you will prompt the students and how you will know and document their understanding.

Resources

Materials and Resource List

Includes a list of materials, equipment, and resources detailed enough to allow another person to duplicate the lesson.

List:

Attach electronic copies of all worksheets and handouts, including student journal templates. If you are using a worksheet from the internet, include an actual scanned copy, not just a link. (The link might go away.)

Completely cite (including weblinks if applicable) all curriculum, websites, and other sources. Briefly describe (1-2 sentences) how you used each resource.

Sources:

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