

Science Lesson Plan (Pairs 25%/10%) (Critical task) (CAEP 1.1, 1.2, 1.4, 1.5): You will find a cookbook activity/lesson and modify it to better reflect what research in education states are best practices.

You will turn in:

- 1) a paper that critiques the current lesson and provides a modified lesson (with rationales) that better matches what research states are best science teaching practices and
- 2) a one page (can be two sided!) handout for each of your classmates that modifies this lesson.

The latter (#2) is essentially a summary of the former (#1). At a minimum, all activities typically require extensive work in the “Explain” phase—what’s the role of the teacher? But you will also need to find other possible shortcomings of the lesson and modify them so that they reflect what we know about how children learn, and how to teach meaningful science concepts.

You will be assessed on the following criteria:

- 1) the extent to which you accurately found the lesson’s weaknesses,
- 2) the appropriateness and thoroughness of your modifications and rationales,
- 3) the ease of readability, spelling, grammar, and usefulness of your paper and handout.

You will present:

a 20 minute mini lesson covering a portion of the modified lesson and an overview of how your modifications are congruent with the desired state of teaching. This modification should be consistent with the long-term guided inquiry structure that was modeled in class, but for a science concept that is developmentally appropriate for the grade level you select. Ensure that you consider developmental, constructivist, social, and behavioral learning theories very carefully.