

## Project 2 Assignment

### Standards Met:

Technology Facilitation Standards, IV.A.1, IV.A.2, IV.B.1, IV.C.1, and IV.C.2

### Purpose:

Project 2 examines assessment used to determine student learning in the classroom when the content to be learned incorporates the use of technology. This may take the form of technology used to collect data, collection on the use of technology to improve learning in a content area, or to determine the appropriate use of technology by students in communication and productivity.

*Technology Facilitation candidates* apply technology in assessing student learning of subject matter using a variety of assessment techniques; use technology resources to collect and analyze data, interpret results, and communicate findings to improve instructional practice and maximize student learning; and apply multiple methods of evaluation to determine students' appropriate use of technology resources for learning, communication and productivity.

**Project 2 Assignment** is to be completed individually.

Develop a classroom assessment or grade level evaluation that will determine how well you/your school is doing in a particular content area in which they are using technology to support their learning. **You are trying to determine the impact of technology on learning. Did the technology help the student learn?**

If you do not have a classroom, find a teacher/friend that will let you assess the use of technology in student learning in their classroom.

You are to complete the following:

1. A final presentation for the **June 6<sup>th</sup> meeting (15 minutes)**:
  - a. A question to research.
    - i. Example: How well are the 7<sup>th</sup> graders in my school/class doing in math when the topic is ratios and proportion when using calculators?
    - ii. Does creating PowerPoint presentations in social studies help student learn the content?
  - b. Develop a means of assessing the research question. (Ex: rubric of scores over several weeks, test scores from 5 or more classrooms/schools on the same topic) You should have a pretest and post test so that you have baseline data and data after the treatment.
  - c. What does the research literature say about achievement and the use of technology in your content area?
  - d. Discuss how technology might help improve achievement in the content area or how technology may be used to collect the data in the content area
  - e. Conduct the assessment you have developed and tabulate the data (probably want a pre/post test)
  - f. Present the conclusions of your research on the achievement in your content area
  - g. Did technology have an impact on student learning?

2. Write a paper (*probably will be at least 7 to 10 pages or more*) to describe and explain your work in the classroom. The paper should have the following content headings and use APA format (5<sup>th</sup> edition).
    - a. **Introduction** (explain why you chose to do this assessment and research).
    - b. **Literature Review** (locate at least 5 research journal articles on your topic or closely related to your topic and two websites).
    - c. **Methods** (what did you do and how, include information on pretest, posttest)
    - d. **Findings/Results** (what did you find out, tables, graphs can be used in your explanation)
    - e. **Conclusions** (what do you think caused the results, thoughts on the use of the technology in student learning of content, what do you recommend changing in the future?)
- Put all materials in the Blackboard Digital Dropbox.
  - These materials are to be uploaded to your **LiveText site during class on June 9<sup>th</sup> at noon**. The final products may be in a word document, PowerPoint presentation, webpage, or PDF.

**Some resources that may help:**

Assessing School Climate:

<http://www.ode.state.oh.us/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=5&ContentID=57914&Content=58097>

eTechOhio: <http://www.etech.ohio.gov/educators/>

Ohio Department of Education: <http://www.ode.state.oh.us/>

Ohio Academic Content Standards:

<http://www.ode.state.oh.us/GD/Templates/Pages/ODE/ODEPrimary.aspx?Page=2&TopicID=1695&TopicRelationID=1696>

ODE Data page:

<http://www.ode.state.oh.us/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=3&ContentID=8244&Content=64939>

**All of the materials created, used, presented in EDCT 605 must be uploaded to LiveText by the June 9 at noon.**