

How Do We Use Web 2.0 Tools in Education?

Grade/Age Level: Certified teachers with at least one year of experience in the classroom.

Subject Area: Elementary education

Time allotted for lesson: One 2 hour session

Description of lesson: In this lesson learners will be introduced to Bloom's revised taxonomy and be shown how to use it to plan a lesson that incorporates a web 2.0 tool.

Curriculum Goals Addressed

- Development of ability to initiate communication and procedures with relevant partners
- Guiding teachers in selection and integration of technology in the learning environment

Technology Standards Addressed

No technology standards have been developed yet for teachers in Israel, however this lesson meets the following US standards as set forth by ISTE:

Facilitate and Inspire Student Learning and Creativity

- a) Promote, support, and model creative and innovative thinking and inventiveness
- b) Engage students in exploring real-world issues and solving authentic problems using digital tools and resources
- c) Promote student reflection using collaborative tools to reveal and clarify students' conceptual understanding and thinking, planning, and creative processes

Instructional Objectives

At the end of this lesson learners will create a lesson or unit plan that incorporates student use of at least one web 2.0 tool.

Instructional Procedures

Lesson Set

Instructor will ask learners what levels of Bloom's taxonomy they tend to use in their current lesson plans. It is possible that many learners will not be familiar with using this to plan individual lessons, so time will be provided for questions and examples and discussion among learners.

Techniques and Activities

1. Instructor will share the image titled "Bloom's Revised Taxonomy" (<http://edtech2.boisestate.edu/gopine/506/ClassroomTech/BloomsRevisedTaxonomy.php>) and discuss how the taxonomy can be used to categorize different web 2.0 tools
2. Learners will categorize the web 2.0 tools used in the previous lesson, and any others they may be familiar with or have become introduced to since the previous lesson. In this way they will share additional resources with each other
3. Instructor will discuss the image titled "Lesson Preparation Checklist" (<http://edtech2.boisestate.edu/gopine/506/ClassroomTech/LessonPlanChecklist.php>) and give an example of applying the questions to a sample content lesson
4. Learners will pair up to brainstorm how to apply the web 2.0 tools discussed so far to their own content areas and identify which levels of the taxonomy are being addressed

Lesson Closure

Instructor will summarize the taxonomy and review how the 3 specific tools from the previous lesson fit into it.

Adaptations for Special Learners

Learners will be paired with another learner of a different overall comfort level with technology (as determined through answers on the pre-course questionnaire) so stronger learners can support weaker ones. Lesson information will be posted on the course website so learners can review as needed at home. The instructor will walk around class while pairs are working to answer specific questions and provide extra support where needed.

Assessment/Evaluation

Learners will have time between this lesson and the next one to prepare a sample lesson plan using the web 2.0 tools they brainstormed during the lesson and showing how they can be applied to their own content area, as well as identifying which level of the taxonomy the specific use of the tool addresses.

Learner Products

- Lesson plan incorporating at least one web 2.0 tool and addressing a specific level of Bloom's revised taxonomy