



# Unit Plan Template

Note: Type in the gray areas.

This template was designed for classroom use. Please feel free to edit the sections as needed to fit your situation. For instance, you may need to change "Standards," to "learning Outcomes." Make sure to double-check the rubric to make sure you complete all sections that will be graded.

Unit Author	
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Course Name(s)	Resources for K12 Instructors in the Online Learning Environment
Course Number(s)	n/a
Course Section(s)	n/a
School City, State, Zip	Colorado Department of Education, Denver, CO 80204
Instructor Name(s):	Della Shorman

Unit Overview	
Unit Plan Title	Introduction to Web 2.0 Tools and their Application in Online Learning
Curriculum-Framing Questions	
Essential Question	Does the use of technology hinder or help learning?
Unit Questions	Why choose additional technology tools (Web 2.0) for online learning?
	Do Web 2.0 tools engage students in a way that facilitates learning?
	What are the most useful Web 2.0 tools for allowing the teacher to instruct the student in the online environment?
	What are the most useful Web 2.0 tools for building collaboration in the online classroom?
Unit Summary	
The Unit will be a series of lessons (vidcasts) that will be presented to instruct my audience (K12 Online instructors) on the use of Web 2.0 tools. The digital story will be an introduction to 21 <sup>st</sup> Century Learning and the skills necessary for success. It will include a mini synopsis of where online learning is within the realm of 21 <sup>st</sup> Century Learning and spark the audience' attention with snippets/screenshots of multiple Web 2.0 tools that can be used to engage	

students, provide collaborative learning experiences and promote learning processes and opportunities in the online environment.

Subject Area(s): (List all subjects that apply)

Technology, Professional Development, 21<sup>st</sup> Century Learning applications

Grade Level (Click boxes of all grade levels that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> K-2                 | <input type="checkbox"/> 3-5   |
| <input type="checkbox"/> 6-8                 | <input type="checkbox"/> 9-12  |
| <input type="checkbox"/> ESL                 | <input type="checkbox"/> Resource  |
| <input type="checkbox"/> Gifted and Talented | <input checked="" type="checkbox"/> Other: Instructors in K12 Online environment |

Student Objectives/Learning Outcomes

Participants will identify examples of Web 2.0 tools that they can utilize in their online courses to provide opportunity to engage students in the online environment.

Participants will identify examples of Web 2.0 tools that they can utilize in their online courses that will provide opportunity for students to collaboratively work and learn in the online environment.

Participants will identify examples of 21<sup>st</sup> century student outcomes and will identify how Web 2.0 tools can be utilized in the online environment to promote these outcomes.

Quality Standards for Online Teachers

The *National Standards for Quality Online Teaching* ([www.inacol.com](http://www.inacol.com)) are designed to provide states, districts, online programs, and other organizations with a set of quality guidelines for online teaching and instructional design. The standards that will be addressed in this Unit include:

**1. The teacher has the prerequisite technology skills to teach online.**

The specific areas within this standard that will be addressed include:

- a. Utilizes synchronous and asynchronous tools (e.g., discussion boards, chat tools, electronic whiteboards) effectively.
- b. Demonstrates growth in technology knowledge and skills in order to stay current with emerging technologies and trends.

**2. The teacher plans, designs and incorporates strategies to encourage active learning, interaction, participation and collaboration in the online environment.**

- a. Demonstrates effective strategies and techniques that actively engage students in the learning process (e.g., team problem-solving, in-class writing, analysis, synthesis and evaluation instead of passive lectures).

Procedures

The Learning Unit will be self-paced. All participants will be encouraged to view a minimum of 1 vidcast per day starting with the Introduction to the learning-the Digital Story vidcast. The Learning Unit can easily be covered in one week.

The Digital Story will be created using a variety of tools, including iMovie and GarageBand by the developer of this learning unit. The link to this Digital Story will reside on the Department

of Education Webiste. It will introduce the entire learning unit to the participants (online teachers).

After viewing the digital story, the participants will review the series of vidcasts (5 individual), accessible via web links on the Department of Education website. These vidcasts will provide information about various Web 2.0 tools that are available to teachers and students. There will be examples of how these tools can be used in the online learning environment.

In addition to viewing the vidcasts, participants will be asked to participate in a wiki dialogue, and encouraged to share how they are presently using the Web 2.0 tools, or ideas for using in the future.

After viewing the vidcasts, the participants will be asked to complete a Zoomerang Survey. The link for the survey will also be on the Department of Education website. This survey will be used to evaluate what the participants have learned, and what additional resources they are interested in.

Approximate Time Needed (Example: 45 minutes, 4 hours, 1 year, etc.)

This unit will be self-paced, and the vidcasts will be accessible multiple times to allow the participants an opportunity to further their understanding of the tools and their uses.

Prerequisite Skills

Knowledge of computer use and accessing the internet.

Materials and Resources Required For Unit

Technology – Hardware (Click boxes of all equipment needed.)

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Camera                         | <input type="checkbox"/> Laser Disk        | <input type="checkbox"/> VCR                       |
| <input checked="" type="checkbox"/> Computer(s)         | <input type="checkbox"/> Printer           | <input type="checkbox"/> Video Camera              |
| <input type="checkbox"/> Digital Camera                 | <input type="checkbox"/> Projection System | <input type="checkbox"/> Video Conferencing Equip. |
| <input type="checkbox"/> DVD Player                     | <input type="checkbox"/> Scanner           | <input type="checkbox"/> Other:                    |
| <input checked="" type="checkbox"/> Internet Connection | <input type="checkbox"/> Television        |  |

Technology – Software (Click boxes of all software needed.)

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Database/Spreadsheet   | <input type="checkbox"/> Image Processing                | <input type="checkbox"/> Web Page Development |
| <input type="checkbox"/> Desktop Publishing     | <input checked="" type="checkbox"/> Internet Web Browser | <input type="checkbox"/> Word Processing      |
| <input type="checkbox"/> E-mail Software        | <input checked="" type="checkbox"/> Multimedia           | <input type="checkbox"/> Other:               |
| <input type="checkbox"/> Encyclopedia on CD-ROM |  |   |

Printed Materials

As these vidcasts will be presented online, I do not plan to have written materials for immediate distribution. However, I plan to develop a one page downloadable document (pdf) that lists that various resources that will be explored in this Unit, along with additional tools for encouraging self-exploration.

Supplies	n/a
Internet Resources	The vidcasts will be housed on a server within the Department of Education. If the department does not allow for posting of the links to these vidcasts on the web pages within the department, a separate wikispace will be established. This will be the same wikispace where the participant dialogues will take place.
Others	
Accommodations for Differentiated Instruction	
Resource Student	n/a
Gifted Student	n/a
Student Assessment	
I have taken numerous surveys through Zoomerang and Survey Monkey and also started setting up surveys for those involved in online learning (teachers and administrators). The free features in Zoomerang online survey tool will allow me flexibility to set up a survey for those who are participating in this professional development and will include questions around what additional tools they would like to have resources on, and what they found useful in this first Unit Topic: Web 2.0 tools.	

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