Professional Development Institute

Flex Course Syllabus

Multimedia Project Design and Development (K-12)

PDI Course Number: 79T02

UCSD Course Number: EDUC41345

If you would like information about receiving post-baccalaureate (graduate) credit for completing this course, please click here.

Course Timeline

Participants have one year to complete the course. Participants must spend a minimum of three weeks in this course.

Course Description

Do you want to learn how to create basic multimedia presentations to use in your classroom? In this course, teachers will learn how to take the proper steps toward designing an effective plan for assigning multimedia projects in the classroom through all phases including Determine, Design, and Development. Teachers are taught how to properly plan for the multimedia project by determining standards and setting objectives within the context of teaching students critical information literacy skills. Strategies for organizing the project, creating cooperative groups, and effectively assessing student projects are discussed. Detailed instructions for creating multimedia projects using Microsoft PowerPoint, Google Slides, Google Sites, Prezi, and Canva are provided that can be used by both teachers and students. Techniques for integrating graphics, animation, audio, and video into a multimedia presentation are shared. Multimedia project ideas for all grade levels and all content areas are also presented. Finally, teachers will gain management tips for implementing multimedia projects and activities into their classrooms. By the end of this course, teachers will feel very confident creating their own multimedia presentations, as well as teaching their students how to create presentations of their own.

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Educational Outcomes

1. Teachers will understand the importance of teaching students information literacy skills.
2. Teachers will make the connection between multimedia projects and content standards.
3. Teachers will learn how to plan a multimedia project by setting objectives, determining project scope, and assessing the prerequisite skills of their students.
4. Teachers will explore strategies for creating cooperative groups.
5. Teachers will learn how to guide students through the brainstorming phase of the project by providing instruction for selecting a topic and performing research.
6. Teachers will acquire the skills needed to develop flowcharts in order to teach the skills to students.
7. Teachers will acquire the skills needed to develop storyboards in order to teach the skills to students.
8. Teachers will become knowledgeable about design guidelines.
9. Teachers will learn how to use software and web-based tools to locate and create graphics, animation, audio, and video.
10. Teachers will explore the potential of integrating interactive components into multimedia projects.
11. Teachers will become knowledgeable on how to use Microsoft PowerPoint, Google Slides, Canva, Prezi, and Google Sites as platforms for creating multimedia projects.
12. Teachers will develop the skills to create rubrics for assessing multimedia projects.
13. Teachers will learn how to effectively manage a multimedia classroom in different computer settings.
14. Teachers will learn how to use apps to develop a multimedia project directly from the iPad.
15. Teachers will navigate through a plethora of multimedia project ideas that align with content standards.

Instructional Media

- Online Discussions
- Online Engagement
- Online Collaboration
- Instructor Feedback
- Instructor Interaction
- Online Resources and Websites
- Supplemental Instructional Materials
- Printable Classroom Resources

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Evaluation

- Test #1 (5% of final grade)
- Test #2 (5% of final grade)
- Test #3 (5% of final grade)
- Test #4 (5% of final grade)
- Test #5 (5% of final grade)
- Autobiography and Goals for the Course (10% of final grade)
- Article/Video Reflection (15% of final grade)
- Course Collaboration/Share Ideas with the Class (10% of final grade)
- Cumulative Assignment/Project: Create a Multimedia Project (20% of final grade)
- Culminating Practicum (20% of final grade)

Topical Outline

Unit One

- Understanding Multimedia
- Information Literacy
- Multimedia's Connection to the CCSS
- **Assignment #1**
  Write an autobiography including information about yourself, your grade level and what you specifically hope to learn about using multimedia in your classroom. Your autobiography should be a minimum of three paragraphs.
- **Test #1**

Unit Two

- Introduction to Multimedia Projects
- The Determine Phase
- The Design Phase
- Text, Color, & Other Design Guidelines
- **Assignment #2**
  As an educator, it is important to be aware of the research, studies, and professional work done in the field. In the course, you will find an article and video that are relevant to the specific course content. Read the article and then write an essay with your thoughts.
- **Test #2**

Unit Three

- The Development Phase

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- Integrating Graphics
- Aiming at Animations
- The Power of Audio
- Using Digital Video
- **Assignment #3**
  Online Discussion Board Participation/Engagement: Please post a tip, strategy, or idea that specifically relates to using multimedia resources and will make a difference to other teachers in their own classrooms. Your assignment should be a minimum of three paragraphs and detailed enough for another teacher to easily follow. This is a great opportunity to share and collaborate with other teachers at your grade level around the country. Take time to review and respond to other postings that are relevant to your classroom population in order to gain effective ideas to use immediately in your classroom.
- **Test #3**

Unit Four

- Integrating Interactive Components
- Development: Tools of the Trade
- Assessing Multimedia Projects
- **Test #4**

Unit Five

- Managing the Multimedia Classroom
- Multimedia & Digital Storytelling
- Multimedia & the iPad
- **Test #5**

Unit Six

- Multimedia Project Ideas
- Web-Based Services and Resources
- **Assignment #4**
  Create an exemplar multimedia project for your students to view prior to creating their own projects. Your presentation should be created using Google Slides or Microsoft PowerPoint and be on a topic that is relevant to your curriculum. Your presentation should include the following.

    - *A title page*
    - *Eight slides in total*
    - *Written content on each screen that is appropriate to the topic*
    - *A minimum of five graphics*
    - *A minimum of one video*

  In addition to your presentation, include the following in your assignment.

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- *A rubric with four criteria on a scale of 1-4*
- *A list of standards and educational objectives that align with the rubric*

You are welcome to create your own graphics and video or integrate those found online (assuming they are in the Public Domain). Include the topic of your project in your assignment posting. Keep in mind that this assignment is a cumulative project and therefore, you are expected to demonstrate the knowledge you gained from the course and your ability to apply what you have learned in a practical setting.

- **Assignment #5**
  The culminating practicum is a three-step process. (1) In the first assignment, you were asked what goals you had and what you hoped to learn from the course. Think back to your original goals for this course. Write a minimum two-paragraph reflection specifically describing how what you learned can be used to help you reach those goal(s). (2) Next, write a minimum three-paragraph plan that specifically describes the ways in which you intend to implement a particular strategy you learned in this course into your own teaching situation. (3) Last, write a minimum two-paragraph reflection describing a student you have or have had in the past. Then, discuss how the strategies you learned in this course will specifically benefit that student as you put your plan into action.

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