

DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 11-12/Create and Utilize Emerging Technologies

Course Code: 034356 CIP Code: 11.0103

COURSE INTRODUCTION:

Course Rationale: This course addresses the technological skills required of students to create effective electronic presentations for the companies employing them. The demand for multimedia knowledge and ability to apply it will continue to expand as businesses utilize multimedia functions including graphics, audio, video, web pages, and electronic presentations.

Course Description: Students will work with multimedia software to develop electronic presentations. They will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats.

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UNIT DESCRIPTION: Create and utilize emerging technologies.		SUGGESTED UNIT TIMELINE: CLASS PERIOD (50 min.): Two class periods.				
ESSENTIAL QUESTIONS: 1. How can we use technology to collaborate to solve problems?						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	CCSS LEARNING GOALS (Anchor Standards/Clusters)	CROSSWALK TO STANDARDS				
		GLEs/CLEs	PS	CCSS	NBEA	DOK
1. Utilize and create collaborative electronic tools (e.g., wikis, blogs, forums)				WHST.11-12.6	IT.VI.A.3.3	4
2. Utilize web-based technologies to publish media (e.g., screencasts, podcasts, vodcasts, iTunes)					IT.VI.A.3.3 IT.VI.A.4.2	1
ASSESSMENT DESCRIPTIONS*: (Write a brief overview here. Identify Formative/Summative. Actual assessments will be accessed by a link to PDF file or Word doc.)						
*Attach Unit Summative Assessment, including Scoring Guides/Scoring Keys/Alignment Codes and DOK Levels for all items. Label each assessment according to the unit descriptions above (i.e., Grade Level/Course Title/Course Code, Unit #.)						
Obj. #	INSTRUCTIONAL STRATEGIES (research-based): (Teacher Methods)					
1	1. Teacher will set up a discussion board and provide questions and feedback to students.					
2	2. Teacher will provide topics for creating a tutorial and guide students through creation.					
Obj. #	INSTRUCTIONAL ACTIVITIES: (What Students Do)					
1	1. Students will participate in a discussion question using a discussion board.					
2	2. Students will create a tutorial on a previous unit covered in the class.					

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UNIT RESOURCES: (include internet addresses for linking)

Edmodo.com

Resources@MCCE - E 10.0301 K377, The Socially Networked Classroom: Teaching in the New Media Age: William Kist, THOUSAND OAKS, CA, CORWIN PRESS, 2010. This book demonstrates how pioneering teachers have successfully integrated screen-based literacies into their instruction. Includes: Real-world activities and lesson examples with assignment sheets, assessments, and rubrics; Ideas on fostering collaborative learning using blogs, wikis, nings, and other interactive media; Tips on Internet safety, blogging etiquette, protected blogging sites, and more; Blog entries from classroom teachers. Grades 5-12.

Resources@MCCE - E DVD ROM 3.5, Wikis in the Classroom: Films for the Humanities & Sciences, NEW YORK, NY, FILMS MEDIA GROUP, 2011. Web 2.0 technologies, such as wikis, have enabled educators and students to become instant creators of shared online content. This program describes what wikis are and how they can be employed as educational tools at both the school and college level. Benefits of wikis are cited, and the use of wikis within academia and far beyond is covered, with examples ranging from student projects, classroom management, and teacher-to-teacher resource sharing to international cultural exchanges. The DVD also offers cautionary advice about reliance upon Wikipedia as a primary research source. 20 minutes.

Resources@MCCE - E DVD ROM 3.2, Blogging in the Classroom: Films for the Humanities & Sciences, HAMILTON, NJ, FILMS FOR THE HUMANITIES & SCIENCES, 2009. This program helps educators learn more about blogging and the best ways to integrate it into the classroom. Showing how blogs help communicate ideas and connect readers worldwide, the program focuses on the benefits of blogging for both teachers and students. Specific topics include blogging strategies for increasing student motivation, reading comprehension, writing skills, collaboration, and healthy social interaction. Viewers will also learn about blogging for course announcements, reading assignments, professional development networking, student journalism, and other purposes. 24 minutes.

Resources@MCCE - E DVD ROM 3.3, Podcasting in the Classroom: Films for the Humanities & Sciences, HAMILTON, NJ, FILMS FOR THE HUMANITIES & SCIENCES, 2009. This program helps educators realize the power of podcasting and put it into action. Viewers will learn how podcasts can disseminate class lectures, additional lecture notes, and study guides while opening up alternative teaching perspectives, bridging the gap with disabled learners, and building media literacy. Also included are resources for searching and finding existing podcasts, such as public radio directories and websites that serve as podcast archives. 24 minutes.

Resources@MCCE - E KIT 20, Blogs, Wikis, Podcasts, and Other Powerful Web Tools for Classrooms: Will Richardson, THOUSAND OAKS, CA, CORWIN, 2010. This multimedia kit provides staff developers with materials for helping teachers use new Internet technologies to advance teaching practices, student learning, classroom communication, and academic performance. This resource allows facilitators to provide both

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novice and tech-savvy educators with step-by-step guidance for expanding the K-12 curriculum through Web tools such as: Weblogs; Wikis; Really Simple Syndication (RSS) feeds and aggregators; Podcasts; Social bookmarking; Online photo galleries; Facebook, MySpace, and Twitter. Includes DVD, facilitator's guide, companion book and CD-ROM.