

DESE Model Curriculum: Multimedia (CIP Code: 11.010)

GRADE LEVEL/UNIT TITLE: 11-12/Create Video Files

COURSE INTRODUCTION		
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.		
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.		
UNIT DESCRIPTION	SUGGESTED UNIT TIMELINE	
Plan, create, manage, and edit video files using video editing software.	15 class periods	
	CLASS PERIOD (min.)	
	50	
ESSENTIAL QUESTIONS		
<ol style="list-style-type: none"> 1. What is the impact of video on society? 2. How is information presented using video? 		
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	NBEA STANDARD	DOK
1. Develop pre-production documents (e.g., storyboard, shot list)	IT.IV.2-4.4 IT.IV.2-4.2 M.I.A.2.1	4
2. Apply basic filming techniques (e.g., camera angles, camera movement, lighting, sound)	IT.IV.2-4.2	2
3. Access, capture, and import a variety of file sources converting file types, if necessary (e.g. audio, video, graphics)	IT.V.3.5 IT.VI.3.2	2
4. Arrange video clips, audio clips, titles and still images on timeline	IT.V.3.5	3
5. Manipulate clips (e.g., link/unlink, adjust transparency, set properties, trim, adjust speed/duration)	IT.V.3.5	4
6. Apply special effects, transitions, key frame/motion settings, animations, filters, and text	IT.V.3.5	4
7. Synchronize audio with video	IT.V.3.5	2
8. Apply advanced editing techniques (e.g., split screen format, chromakey, audiopan)	IT.V.3.5	4
9. Evaluate sources for playing completed video (e.g., hardware, software, web applications)	IT.V.3.6	3
10. Apply codec (compression) appropriate for the media delivery	IT.VI.3.2	4
11. Export video for a variety of media outlets (e.g., broadcast, web)	IT.VI.3.3	3
12. Author DVD	IT.VI.4.2	4

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OBJ. #	INSTRUCTIONAL STRATEGIES
1	1. Teacher will demonstrate and guide students through the creation of a storyboard and shot list for a video production.
2- 11	2. Teacher will guide students through planning and creating a research based documentary by individual assistance.
12	3. Teacher will assist and demonstrate the step-by-step process of creating a DVD using a presentation.
OBJ. #	INSTRUCTIONAL ACTIVITIES
1	1. Students will use storyboards and shot lists to plan a video production.
2 -11	2. Students will use video editing software to create a 3-minute research based documentary. <i>Class Video presentation.doc,</i>
12	3. With teacher assistance, students will demonstrate the systematic process of creating a DVD using a presentation.