

**DESE Model Curriculum: Multimedia** (CIP Code: 11.010)

GRADE LEVEL/UNIT TITLE: 11-12/Manage Images

<b>COURSE INTRODUCTION</b>			
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.			
<b>UNIT DESCRIPTION</b>		<b>SUGGESTED UNIT TIMELINE</b>	
Manage and edit images using image editing and illustrative software.		15 class periods	
		<b>CLASS PERIOD (min.)</b>	
		50	
<b>ESSENTIAL QUESTIONS</b>			
1. How does image manipulation play a role in media and entertainment?			
2. How does business and industry rely on the use of illustrative software?			
<b>ESSENTIAL MEASURABLE LEARNING OBJECTIVES</b>		<b>NBEA STANDARD</b>	<b>DOK</b>
1. Acquire and import images from a variety of sources (e.g., scanners, cameras, phones)		IT.VIII.1.1 IT.IV.1.1	2
2. Apply appropriate resolution settings for intended use of image		IT.V.3.5	3
3. Apply appropriate image mode for intended application (e.g., convert RGB, CMYK, grayscale)		IT.V.3.5	3
4. Compose images using layers and selections		IT.V.3.5	3
5. Edit images (e.g., color, filter, tint, contrast, brightness)		IT.V.3.5	2
6. Manipulate images (e.g., mask, resize, crop, scale, group/ungroup, zoom, pan)		IT.V.3.5	3
7. Create original artwork using illustrative software		IT.VI.1-2.2	4
<b>OBJ. #</b>	<b>INSTRUCTIONAL STRATEGIES</b>		
1, 4, 6	1. Teacher will demonstrate beginning process by opening the first piece and guiding students through the process of creating a layer and begin putting pieces together.		
2, 5	2. Teacher will demonstrate and guide students through process of photo manipulation.		
7	3. Teacher will demonstrate use of various tools used in illustration software.		

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<b>OBJ. #</b>	<b>INSTRUCTIONAL ACTIVITIES</b>
1, 4, 6	1. Students will download and repair a photo that has been torn into pieces using photo editing software. (See <i>Fix Photo and Fix Photo 1 instructions, Before and After</i> )
2, 5	2. Students will manipulate photos and apply resolution settings to create a digital scrapbook page using images from various sources. (See <i>Creating Scrapbook pages</i> and the scoring guide that goes along with it)
7	3. Students will use the tools in illustrative software to draw a building using a photo as an example. (See <i>Draw House and House Sample</i> )