

## **Moon Area School District Curriculum Map**

**Course: Photography 1**

**Grade Level: 9-12**

**Content Area: Fine Arts**

**Frequency: Semester Course**

### **Big Ideas**

1. Photography is an ever-advancing art form that incorporates aesthetics and technology.
2. Photography is a means of self-expression through the lens of a camera.
3. Photography documents the world from everyday occurrences to world-changing historical events.
4. Understanding and controlling exposure elements during photo taking is essential to capturing images with desirable results.

### **Essential Questions**

5. What fundamental knowledge of photography is important to have before taking photos?
6. What can you gain from studying photography through both, a personal and scholarly perspective?
7. How can we learn to look objectively at the art of photography?
8. How can personal response to art as a catalyst for discussion?
9. How does a camera capture and record the image we see with our eyes?
10. What differences exist between camera types?
11. How can you best utilize your photography equipment to create works of art?
12. Why is it important to be able to control the amount of light entering a camera?
13. How do camera parts work together to manage exposure?
14. Why is it necessary to have correct exposure?
15. When does editing need to be applied to a photograph?
16. How can you use post-processing software to edit photographs?
17. What are the benefits of post-processing?
18. How does a photographer use the elements and principles of design to cohesively organize a work of art?
19. Where can elements and principles of design be found in the everyday-world around us?
20. What effect will subject arrangement have on your photographs?
21. How do successful photographers draw emphasis to their subjects?
22. How can looking at a subject from a different angle create a more creative photograph?
23. How can photographers take interesting photos of everyday subjects?
24. What is the benefit of practicing your art craft?
25. How can you use compositional techniques that stress emphasis to creatively capture your subject?
26. How can light affect the mood or look of a photographic image?
27. How does artificial light differ from natural light?
28. What is the purpose of maintaining a photography portfolio?

### **Primary Resource(s) & Technology:**

Cameras, computers, memory cards, Adobe Lightroom, Adobe Photoshop

**Pennsylvania and/or focus standards referenced at:**

[www.pdesas.org](http://www.pdesas.org)  
[www.education.pa.gov](http://www.education.pa.gov)

Big Ideas/E Qs	Focus Standard(s)	Assessed Competencies (Key content and skills)	Timeline
3, 5, 6	9.1.12 K 9.2.12 A 9.2.12 B 9.2.12 C 9.2.12 D 9.2.12 E 9.2.12 J 9.2.12 K 9.2.12 L	<ul style="list-style-type: none"> <li>• Identify important historical figures who contributed to the invention of photography.</li> <li>• Recall dates and places as they relate to the invention and history of photography.</li> <li>• Discuss famous photographs that have historical significance.</li> <li>• Formulate preliminary personal opinions and responses to the aesthetics of photography.</li> <li>• Summarize about the different used of photography as an art form and as a communication resource.</li> <li>• Examine the shift from traditional film to digital photography.</li> <li>• Compare and contrast traditional film photography with digital photography.</li> <li>• Give examples of modern uses of photography.</li> </ul>	August
2, 7, 8, 9, 10, 11	9.2.12 F 9.2.12 I 9.3.12 A 9.3.12 B 9.3.12 C 9.3.12 D 9.3.12 E 9.3.12 F 9.3.12 G 9.4.12 A 9.4.12 B 9.4.12 C 9.4.12 D 9.1.12 C 9.1.12 J 9.1.12 K	<ul style="list-style-type: none"> <li>• Write responses to critique questions.</li> <li>• Argue personal opinions about art.</li> <li>• Examine art with an open mind.</li> <li>• Discuss opinions on photography with peers.</li> <li>• Interpret personal aesthetic appeal of critiqued photographs.</li> <li>• Identify technical and compositional skills as important components of formal critique.</li> <li>• Practice critique etiquette.</li> <li>• Express criticism in a constructive way with suggestion of improvements.</li> <li>• Develop a presentation that shows the work and history of a personally admired photographer.</li> <li>• List a variety of camera types.</li> <li>• Compare and contrast types of cameras; identify pros and cons to each type.</li> <li>• Diagram the path that light travels from lens to recording medium/sensor.</li> <li>• Label the parts of a camera.</li> <li>• Explain the function of each camera part.</li> <li>• Tell how an image sensor works to record the electrical charge of light.</li> <li>• Differentiate between camera modes and their uses.</li> </ul>	September

		<ul style="list-style-type: none"> <li>• Relate camera modes to aperture or shutter speed.</li> <li>• List the variety of memory card options available to a consumer.</li> <li>• Indicated appropriate choices for image storage and memory needs.</li> <li>• Describe the benefits of understanding camera parts and functions.</li> <li>• Operate individual camera based on available technology.</li> <li>• Define resolution</li> <li>• Predict resolution based on megapixels</li> <li>• Recognize maximum print size based of DPI and PPI</li> <li>• Understand and control digital noise through use of ISO</li> </ul>	
4, 12, 13, 14, 15, 16, 17, 18, 19	9.1.12.A 9.1.12.B 9.1.12.C 9.1.12.G 9.1.12.H 9.1.12.J 9.1.12.K 9.3.12.A 9.3.12.B	<p>Exposure:</p> <ul style="list-style-type: none"> <li>• List components of the exposure triangle.</li> <li>• Explain the inverse relationship between aperture and shutter speed.</li> <li>• Define depth of field.</li> <li>• Recall f-stop settings as related to aperture opening.</li> <li>• Predict depth of field based on aperture settings.</li> <li>• Predict the level of motion blur based on shutter speed.</li> <li>• Give examples of when to use different aperture and shutter speed settings.</li> <li>• Analyze and interpret the light meter to obtain a correct exposure.</li> <li>• Solve problems related to over or under exposed images.</li> <li>• Explain ISO and appropriate uses for it.</li> <li>• Change ISO to control image noise.</li> </ul> <p>Editing:</p> <ul style="list-style-type: none"> <li>• Analyze the need for post-processing on individual images</li> <li>• Identify editing tools in post-processing software</li> <li>• Use post-processing editing tools to modify the image.</li> <li>• Relate histogram to levels of light and dark in photograph.</li> <li>• Experiment by adjusting histogram levels to determine appearance of highlights and shadows.</li> </ul>	October

		<ul style="list-style-type: none"> <li>Choose appropriate tools to perform photo editing in post-processing software.</li> <li>Demonstrate ability to manipulate image quality using advanced techniques.</li> </ul> <p>Elements and Principles of Design:</p> <ul style="list-style-type: none"> <li>Define elements and principles of design.</li> <li>Create works of art that focus on finding elements and principles of art in the world.</li> <li>Continue using editing techniques to enhance original image and create best final image.</li> <li>Critique and reflect upon personal works and the works of others.</li> </ul>	
1, 2, 4, 20, 21, 22,	9.1.12 A 9.1.12 B 9.1.12 C 9.1.12 E 9.1.12 G 9.1.12 H 9.1.12 J 9.1.12 K 9.3.12 A	<p>Composition:</p> <ul style="list-style-type: none"> <li>Skillfully arrange subjects using viewfinder or LCD screen when taking photographs.</li> <li>Describe each composition technique.</li> <li>Practice placement of subject using rule of thirds.</li> <li>Use leading lines to direct the viewer's eye.</li> <li>Apply the concept of natural framing to emphasize subject.</li> <li>Use editing practices to draw emphasis to main subject.</li> <li>Practice editing techniques to enhance original image to create best final image.</li> <li>Critique and reflect upon personal works and the works of others.</li> <li>Define above, below, and at eye level.</li> <li>Define canted angle.</li> <li>Describe uses for canted angles.</li> <li>Recognize changes in angles and/or viewpoints in sample photography.</li> <li>Demonstrate ability to create photographs that show unique angles.</li> </ul>	November
1, 2, 4 23, 24, 25	9.1.12 C 9.1.12 D 9.1.12 E 9.1.12 F 9.1.12 G 9.1.12 H 9.2.12 G 9.2.12 H 9.3.12 A 9.3.12 B 9.4.12 B	<p>Subject by Themes:</p> <ul style="list-style-type: none"> <li>Evaluate famous photographs based on choice of subject.</li> <li>Create photographs to reflect given subject.</li> <li>Define vocabulary related to subject matter.</li> <li>Show multiple examples of each subject (portraits, landscapes, nature, still-life, architecture, pets, etc) and apply learned compositional techniques</li> </ul>	December
	9.1.12 D	Lighting:	January

<p>1, 4, 26, 27, 28</p>	<p>9.1.12 G 9.1.12 H 9.3.12 A 9.3.12 B 9.1.12 I 9.3.12 C</p>	<ul style="list-style-type: none"> <li>• Use lighting strategies to artfully illuminate the subject of a composition.</li> <li>• Explain the outcomes of various lighting scenarios</li> <li>• Experiment by taking multiple photos in natural light at different times of the day.</li> <li>• Compose a photo that shows dramatic lighting</li> <li>• Determine light source</li> <li>• Compare white balance settings</li> <li>• Practice editing techniques to enhance original image and create the best final image.</li> <li>• Critique and reflect upon personal works and works of others.</li> </ul> <p>Portfolio:</p> <ul style="list-style-type: none"> <li>• Define the purpose of maintaining a portfolio.</li> <li>• Organize photographs and reflective writing samples into a final portfolio.</li> </ul>	