

## Digital Photography

1. Digital Photography: Yesterday & today
2. The Camera
3. Composition
4. Lighting
5. Lenses
6. Careers in Digital Photography
7. Connecting Technology with Visual Communication
8. Independent Study

<b>COURSE: Digital Photography I</b>	<b>GRADE(S): 10-12</b>
<b>UNIT: Digital Photography: Yesterday and Today</b>	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>STATE STANDARDS:</b></p> <ol style="list-style-type: none"> <li>9.1 Producing , Performing and Exhibiting the Arts and Humanities</li> <li>9.2 Historical and Cultural Contexts</li> <li>9.3 Critical Response to the Arts and Humanities</li> <li>9.4 Aesthetic Responses to the Arts and Humanities</li> </ol>	<p><b>UNIT OBJECTIVES:</b></p> <ol style="list-style-type: none"> <li>(A) Understand the importance of the historical influences on the photographic innovations of today</li> <li>(B) Gain an understanding of the primitive process of creating photographic images</li> <li>(C) Adapt an appreciation for the importance of having photography in our everyday lives</li> <li>(D) Define the question, "What makes a great image?"</li> </ol>
<p><b>ACTIVITIES:</b> Students will:</p> <ol style="list-style-type: none"> <li>(A) View the video – "150 Years of Photography"</li> <li>(B) Complete a questionnaire from the video</li> <li>(C) Develop a timeline of important inventors and inventions from the history of photography</li> <li>(D) Research an innovator or invention from the last 150 years while writing a paper highlighting the information, to include group discussion and presentation</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>– Photographic videos, books, magazines, internet, newspapers and personal exploration</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(A) Examples of negative and positive images will exemplify their understanding of how a camera works</li> <li>(B) Digital photography quiz</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>– Discuss the assignment</li> <li>– Orally assess the mastery of the unit</li> <li>– Hand written instructions for distinctive processes</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>– Create a photo journal documenting historical photography</li> <li>– Research paper on a historical innovation</li> <li>– Class presentation</li> <li>– Create a poster exemplifying the subject at hand</li> </ul>

<b>COURSE: Digital Photography I</b>	<b>GRADE(S): 10-12</b>
<b>UNIT: The Camera</b>	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>ACTIVITIES:</b></p> <p>Students will:</p> <ol style="list-style-type: none"> <li>(A) Create and label a drawing of their camera</li> <li>(B) Create an outline of all functions of each camera</li> <li>(C) Construct a basic pinhole camera and expose a piece of film to create a photographic negative</li> <li>(D) Download images from digital camera</li> <li>(E) Review functions of Adobe Photoshop</li> <li>(F) Create a digitally manipulated photographic image</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>- Camera (35mm, digital), videos, internet, newspaper, magazines and books</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(A) Demonstrate camera parts and functions</li> <li>(B) Demonstrate the processes of downloading and uploading of digital images</li> <li>(C) Demonstrate understanding of digital manipulation in Photoshop program</li> <li>(D) Create final prints exemplifying an understanding of all processes</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>- Collect examples of 35mm and digital cameras</li> <li>- Collect examples of digitally manipulated images to better understand the graphic effects</li> <li>- Create a photo journal to document all processes</li> <li>- Orally assess the mastery of the unit</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>- Research paper on camera parts, digital manipulation processes</li> <li>- Class presentation</li> <li>- Create a poster exemplifying the subject at hand</li> </ul>
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<b>COURSE: Digital Photography I</b>	<b>GRADE(S): 10-12</b>
<b>UNIT: Composition</b>	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>ACTIVITIES:</b> Students will:</p> <ol style="list-style-type: none"> <li>(A) Define Compositional Elements and Principles of Design guidelines related to photographic composition. Refer to Kodak Composition Bulletin</li> <li>(B) View Kodak video on Composition Guidelines</li> <li>(C) Identify and replicate elements and principles from visual resources through the collection of images</li> <li>(D) As a group, collect and label visual examples of all elements discussed</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>- Video, magazines, books, internet</li> <li>- Student samples labeled in notebooks</li> <li>- Kodak wall chart</li> <li>- Teacher made sample chart</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(A) Composition guidelines quiz</li> <li>(B) Use of composition guidelines as applicable for class photo assignments</li> <li>(C) Creation of visually appealing images</li> <li>(D) Compare and contrast uncomposed images to understand growth in visual perceptions</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>- Considering the theme of the unit, find photographic samples from one media source</li> <li>- Create a photo journal exemplifying compositional elements</li> <li>- Complete compositional worksheet</li> <li>- Orally assess mastery of the unit</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>- Research paper on compositional elements and principles of design</li> <li>- Class presentation</li> <li>- Create a poster exemplifying the subject at hand</li> </ul>

<b>COURSE:</b> Digital Photography	<b>GRADE(S):</b> 10-12
<b>UNIT:</b> Lighting	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>ACTIVITIES:</b></p> <p>Students will:</p> <ol style="list-style-type: none"> <li>(A) Study and discuss materials on lighting in <u>Exploring Photography</u></li> <li>(B) Demonstrate outdoor lighting techniques</li> <li>(C) Listen to a guest speaker on portrait using studio lighting</li> <li>(D) Demonstrate electronic flash units</li> <li>(E) Discuss types of lighting and trends in lighting</li> <li>(F) Discuss Broad, Butterfly, Short and Rembrandt</li> <li>(G) Shoot one roll of film utilizing electronic flash unit(s)</li> <li>(H) Set up studio lighting and shoot one roll of film indoors</li> <li>(I) Set up and shoot one roll of film creating an outdoor portrait using outdoor lighting</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>- Studio lights, light meter, cameras, videos, internet, newspaper, magazines and books</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(A) Lighting quiz</li> <li>(B) Quality photographs consisting of 2 elements: quality light and good composition</li> <li>(C) Use of natural and artificial light to create photographic and digital images</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>- Create a photo journal exemplifying different lighting examples</li> <li>- Complete lighting worksheets</li> <li>- View video on lighting and complete worksheet/study sheet</li> <li>- Complete terminology worksheet related to lighting</li> <li>- Orally assess mastery of the unit</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>- Research paper on different lighting techniques</li> <li>- Class presentation</li> <li>- Create a poster exemplifying the subject at hand</li> </ul>
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<b>COURSE: Digital Photography I</b>	<b>GRADE(S): 10-12</b>
<b>UNIT: Lenses</b>	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>ACTIVITIES:</b> Students will:</p> <ol style="list-style-type: none"> <li>(A) Complete LENS worksheet explaining differences between specific lens types</li> <li>(B) View video "LENS" and complete questions</li> <li>(C) Study material on lenses in <a href="#">Exploring Photography</a></li> <li>(D) Participate in a group activity discussion using a variety of lenses for 35mm and digital cameras</li> <li>(E) Create collages of photographs that were taken with different aperture settings (depth of field) and focal lengths</li> <li>(F) Create images using appropriate lenses as available in order to create desired photographic effects for class assignments</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>- Lens, video, internet, books, newspapers, magazines</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(A) Lens quiz</li> <li>(B) Completion of LENS worksheets</li> <li>(C) Teacher-made rubric</li> <li>(D) Individual and group critique</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>- Collect photographic samples of specific lens</li> <li>- Create a photo journal to past images into and write responses defining each lens type</li> <li>- Orally assess mastery of the unit</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>- Research paper on different types of lens</li> <li>- Class presentation</li> <li>- Create a poster exemplifying the subject at hand</li> </ul>
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<b>COURSE:</b> Digital Photography I	<b>GRADE(S):</b> 10-12
<b>UNIT:</b> Careers in Digital Photography	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>ACTIVITIES:</b> Students will:</p> <ol style="list-style-type: none"> <li>(A) View career presentations by professional photographers related to specific careers</li> <li>(B) Attend field trips to professional photographic facilities related to specific careers</li> <li>(C) Read and complete worksheets related to the nine areas of professional photography as identified in the textbook entitled: <u>Exploring Photography</u></li> <li>(D) Create a poster and oral presentation based on one of the nine professional photographic careers</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>- Visiting professional photographers</li> <li>- Internet, newspapers, magazines, books, video</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(A) Teacher observation and oral questioning</li> <li>(B) Group and individual critique</li> <li>(C) Teacher-made rubrics</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>- Find photographic examples of each professional photographic career</li> <li>- Create study sheet highlighting terminology related to specific careers</li> <li>- Reinforce information through oral and visual examples of career choices</li> <li>- Orally assess mastery of the unit</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>- Research paper on a specific photographic career</li> <li>- Class presentation</li> <li>- Create a poster exemplifying the subject at hand</li> </ul>
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<b>COURSE:</b> Digital Photography I	<b>GRADE(S):</b> 10-12
<b>UNIT:</b> Connecting Technology with Visual Communications	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>ACTIVITIES:</b> Students will:</p> <ol style="list-style-type: none"> <li>(A) View a selection of student and published photographs to determine whether they were digital or film images</li> <li>(B) Demonstrate Photoshop, negative scanning and downloading images</li> <li>(C) Use a digital camera, film negatives and a flat bed scanner to create a magazine cover for a photo journal or favorite magazine</li> <li>(D) Create a photo journal reflective of examples relating to technology and visual communication</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>- Photography books, digital photo resource book, visiting artist, newspapers, magazines, photo journals and videos</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(D) Teacher observation and oral questioning</li> <li>(E) Group and individual critique</li> <li>(F) Teacher-made rubrics</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>- Create worksheets that highlight terminology related to digital technology processes</li> <li>- Create review sheets that reinforce daily concepts</li> <li>- Orally assess mastery of the unit</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>- Research paper on photographic technology and digital manipulation processes</li> <li>- Class presentation</li> <li>- Create a poster exemplifying the subject at hand</li> </ul>
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<b>COURSE: Digital Photography I</b>	<b>GRADE(S): 10-12</b>
<b>UNIT: Independent Study</b>	

<p><b>NATIONAL STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Understanding and applying media, techniques, and processes</li> <li>2. Using knowledge of structures and functions</li> <li>3. Choosing and evaluating a range of subject matter, symbols, and ideas</li> <li>4. Understanding the visual arts in relation to history and cultures</li> <li>5. Reflecting upon and assessing the characteristics and merits of their work and the work of others</li> <li>6. Making connections between visual arts and other disciplines</li> </ol>
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<p><b>ACTIVITIES:</b> Students will:</p> <ol style="list-style-type: none"> <li>(A) Have existing portfolio or collection of work assessed</li> <li>(B) Discuss their long and short term goals</li> <li>(C) Collect photographs from magazines to create an instant portfolio containing work that he/she likes</li> <li>(D) Study and discuss portfolios of accomplished photographers with similar goals and interests</li> <li>(E) Stress quality and variety in a portfolio</li> <li>(F) Visit web sites of other photographers</li> <li>(G) Develop a plan to enable one's own photographic approach to evolve</li> </ol> <p><b>RESOURCES:</b></p> <ul style="list-style-type: none"> <li>- Videos, magazines, newspapers, internet, books, and visiting artist</li> </ul>	<p><b>ASSESSMENTS:</b></p> <ol style="list-style-type: none"> <li>(A) Rubric long and short term goals</li> <li>(B) Shoot and process film or digital images</li> <li>(C) Print photographs</li> <li>(D) Prepare photographs for display</li> <li>(E) Periodically critique work with the instructor</li> </ol> <p><b>REMEDIATION:</b></p> <ul style="list-style-type: none"> <li>- Create photo journal exemplifying specific photographic interest</li> <li>- Complete short and long term rubric</li> <li>- Orally assess mastery of the unit</li> </ul> <p><b>ENRICHMENT:</b></p> <ul style="list-style-type: none"> <li>- Research paper on specific proposed topics</li> <li>- Class presentation</li> <li>- Create a poster exemplifying the subject at hand</li> </ul>
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