

**Visual and Performing Arts**  
**Visual Arts Photography and Digital Imaging II**  
**Unit 4: Darkroom Processes**

<b>Essential Understandings</b>	<ul style="list-style-type: none"> <li>▪ Photographers use light sensitive materials, alternative photographic processes and a variety of darkroom processes to create works of art.</li> </ul>
<b>Essential Questions</b>	<ul style="list-style-type: none"> <li>▪ What alternative processes are used in photography?</li> <li>▪ How are light sensitive darkroom processes used to create strong photographs?</li> </ul>
<b>Essential Knowledge</b>	<ul style="list-style-type: none"> <li>▪ Alternative photographic processes can be used to create works of art.</li> <li>▪ Light sensitive materials can be used with black and white darkroom processes.</li> </ul>
<b>Vocabulary</b>	<ul style="list-style-type: none"> <li>▪ <u>Terms:</u> <ul style="list-style-type: none"> <li>○ contact printing, cyanotype chemistry, ultra violet light, burning in and dodging, push process, over develop, under develop, film speed, solarization, Sabbattier technique, Mackie lines</li> </ul> </li> </ul>
<b>Essential Skills</b>	<ul style="list-style-type: none"> <li>▪ Use knowledge of an alternative photographic process.</li> <li>▪ Utilize specific tools and materials in the black and white darkroom correctly.</li> <li>▪ Apply correct procedures for mixing chemicals, processing prints and developing film.</li> <li>▪ Use knowledge of various darkroom processes to create photographic works of art.</li> </ul>
<b>Related Maine Learning Results</b>	<p><u>Visual and Performing Arts:</u>  B. Creation, Performance, and Expression  B1. Media Skills  Students choose multiple, suitable media, tools, techniques, and processes to create a variety of original art works.  B2. Composition Skills  Students use Elements of Art and Principles of Design to create original art works that demonstrate development of personal style in a variety of media and visual art forms.  C. Creative Problem Solving  C1. Application of Creative Processes  Students apply and analyze creative problem solving and creative-thinking skills to improve or vary their own work and/or the work of others.</p>

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<b>Sample Lessons And Activities</b>	<ul style="list-style-type: none"> <li>▪ Create digital negatives for contact printing and explore opacity of materials, symbolism and the elements and principles of design in a self portrait cyanotype collage</li> <li>▪ Create photographic images in strong compositions displaying quality printing</li> <li>▪ Practice push processing film</li> <li>▪ Create solarized “Sabbatier” prints and contact prints with “Mackie” lines</li> </ul>
<b>Sample Classroom Assessment Methods</b>	<ul style="list-style-type: none"> <li>▪ Rubric criteria for cyanotypes</li> <li>▪ Rubric criteria for BW photographs</li> <li>▪ Rubric criteria for solarized photos</li> </ul>
<b>Sample Resources</b>	<ul style="list-style-type: none"> <li>▪ <u>Publications:</u> <ul style="list-style-type: none"> <li>○ <u>Alternative Photographic Processes</u> – Christopher James</li> <li>○ <u>Creating Digital Negatives for Contact Printing</u> – Dan Burkholder</li> </ul> </li> <li>▪ <u>Videos:</u> <ul style="list-style-type: none"> <li>○ <u>Edward Weston</u></li> <li>○ <u>Lens Work Extended</u></li> </ul> </li> </ul>