

# BLACKHAWK SCHOOL DISTRICT

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## CURRICULUM

<b>Course Title:</b>	<b>Digital Video and Photography</b>
<b>Course Number:</b>	
<b>Grade Level(s):</b>	<b>9-12</b>
<b>Length of Course:</b>	<b>Semester (1<sup>st</sup>)</b>
<b>Credits:</b>	<b>.5</b>
<b>Faculty Author(s):</b>	<b>Dale Moll</b>
<b>Date:</b>	<b>January 2013</b>

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### **COURSE DESCRIPTION:**

This course is to be taken after receiving a "c" or better in digital photography. Students will focus on advanced photo techniques such as exposure, aperture, ISO speed, and lighting to name a few. Along with working on advance photography techniques students will be introduced to basic principles of digital video production and provides a foundation for understanding the aesthetic and technical concerns associated with digital filmmaking using digital video editing software. Student examines cinematic structure and strategies in digital storytelling. Students will work collaboratively as well as individually.

<p>Class overview/ intro</p> <p>Review of elements of photography</p> <p>Camera color modes</p> <p>Exposure</p> <p>Aperture</p> <p>Shutter speeds</p> <p>ISO settings</p> <p>Coffee table book</p> <p>Elements of video production</p> <ul style="list-style-type: none"> <li>• Scripts</li> <li>• Storyboards</li> <li>• Equipment</li> </ul> <p>Intro to editing software</p> <ul style="list-style-type: none"> <li>• Introduction to Different Video Editing programs available</li> <li>• Overview of tools</li> <li>• Resolution</li> <li>• Frames per Second</li> <li>• Size</li> <li>• Pixels</li> <li>• Effects</li> <li>• Title/Captions</li> <li>• Transitions</li> <li>• File Types</li> </ul> <p>Proper use of sound effects and music</p> <ul style="list-style-type: none"> <li>• Commercials <ul style="list-style-type: none"> <li>- Select a Class</li> <li>- Scripts</li> </ul> </li> </ul>	<p>3.4.10. A1. Illustrate how the development of technologies is often driven by profit and an economic market.</p>	1	Adobe Photoshop		
			2-3	Laser Printer	
	<p>3.4.10. A2. Interpret how systems thinking applies logic and creativity with appropriate comprises in complex real-life problems.</p>		4-6	Plotter	
			7-12	Inkjet Printer	
	<p>3.4.10. A1. Illustrate how the development of technologies is often driven by profit and an economic market.</p>		13-18	Digital Cameras	
	<p>3.4.10. A2. Interpret how systems thinking applies logic and creativity with appropriate comprises in complex real-life problems.</p>		19-23	Foam/ Display Board	
			24-30	Binder and Sheet Protectors	
	<p>3.4.10. A3. Examine how technology transfer occurs when a new user applies an existing innovation developed for one purpose in a different function.</p>		31-40	DVD's	
	<p>3.4.12. A1. Compare and contrast the rate of technological development over time.</p>		41-45	DVD Sleeves	
	<p>3.4.12. A2. Describe how management is the process of planning, organizing, and controlling work.</p>		46-52	Windows Movie Maker	
	<p>3.4.12. A3. Demonstrate how technological progress promotes the advancement of science, technology, engineering and mathematics (STEM).</p>			Adobe Premier	
	<p>3.4.10. B1. Compare and contrast how the use of technology involves weighing the trade-offs between the positive and negative effects.</p>		52-60		
<p>3.4.10. B2. Demonstrate how humans devise technologies to reduce the</p>					

<ul style="list-style-type: none"> <li>- Actors</li> <li>- Props</li> <li>- Edit and Publish</li> </ul>	<p>negative consequences of other technologies.</p>			
<p>Recording audio and inserting it into videos.</p> <ul style="list-style-type: none"> <li>• Blackhawk Departments Video <ul style="list-style-type: none"> <li>- Guided Tour Project</li> <li>- Balance</li> <li>- Focus</li> <li>- Zoom</li> <li>- Day vs. Night</li> </ul> </li> </ul>	<p>3.4.10.B3.Compare and contrast how a number of different factors, such as advertising, the strength of the economy, the goals of a company and the latest fads, contribute to shaping the design of and demand for various technologies.</p> <p>3.4.10. B4. Recognize that Technological development has been evolutionary, the result of a series of refinements to a basic invention.</p>	61-68		
<p>Academic video</p> <ul style="list-style-type: none"> <li>• Based on National TSA Digital Video Event</li> </ul>	<p>3.4.12. B1. Analyze ethical, social, economic, and cultural considerations as related to the development, selection, and use of technologies.</p>	69-88		
<p>Make up/ video viewing</p>	<p>3.4.12. B2. Illustrate how, with the aid of technology, various aspects of the environment can be monitored to provide information for decision making.</p> <p>3.4.10. C1. Apply the components of the technological design process.</p> <p>3.4.10. C3. Illustrate the concept that not all problems are technological and not every problem can be solved using technology.</p> <p>3.4.12. C2. Apply the concept that engineering design is influenced by personal characteristics, such as creativity, resourcefulness, and the ability to visualize and think abstractly.</p> <p>3.4.12. C3. Apply the concept that many technological problems require a multi-disciplinary approach.</p> <p>3.4.12. D2. Verify that engineering design is influenced by personal characteristics, such as creativity, resourcefulness, and the</p>	88-90		

	<p>ability to visualize and think abstractly.</p> <p>3.4.10. D3. Synthesize data, analyze trends, and draw conclusions regarding the effect of technology on the individual, society, and the environment.</p> <p>3.4.12.E4 Synthesize the effects of information and communication systems and subsystems as an integral part of the development of the Information Age.</p> <p>3.4.12. E6. Compare and contrast the importance of science, technology, engineering and math (STEM) as it pertains to the manufactured world.</p> <p>3.4.10.E4. Evaluate the purpose and effectiveness of information and communication systems.</p>			
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