BLACKHAWK SCHOOL DISTRICT

CURRICULUM

Course Title:	**Digital Photography**
Grade Level(s):	**9-12**
Length of Course:	**½ Year**
Credits:	**.5**
Faculty Author(s):	**Dale Moll**
Date:	**September 2010**

COURSE DESCRIPTION:

Students will learn fundamental photographic skills including digital capture, manipulation, and output. For the processing and enhancement of digital photographs, students will learn the basics of Photoshop. These digital skills and tools for the making of photographs will be taught within the context of the aesthetics of photography.

COURSE OUTLINE	OBJECTIVES (PA standard)	PROPOSED TIME / ACTUAL TIME	RESOURCES	LESSON REFLECTION (for future revisions)
Intro-Class overview	3.4.12.A2. Describe how management is the process of planning, organizing, and controlling work.	1 Day		
History/overview of the evolution of cameras	3.4.12.A3. Demonstrate how technological progress promotes the advancement of science, technology, engineering and mathematics (STEM).	1 Day		
How a Digital Camera Works • **Resolution** • **Pixel** • **Settings** • **White balance** • **Types of Digital Cameras** • **Zoom/Lens** • **Filters** • **Camera Safety** • **Memory Cards** • **Digital Zoom vs. Optical**	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. 3.4.10.B4. Recognize that Technological development has been evolutionary, the result of a series of refinements to a basic invention.	3 Days	Computer Adobe Photo Shop Laser Printer	
Photo Editing • **Introduction to Different photo editing programs available** • **Overview of tools in Photoshop** • **Resolution** • **Size** • **Pixels** • **Effects**	3.4.12.B1. Analyze ethical, social, economic, and cultural considerations as related to the development, selection, and use of technologies. 3.4.10.C1. Apply the components of the technological design process. 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. 3.4.12.C3. Apply the concept that many technological problems require a multi-disciplinary approach.	7 days	Plotter Ink Jet Printer Digital	

			Cameras	
• **Light Balance** **Printing** - **Using Publisher** - **Using the Laser Printer** - **Using an Inkjet** - **Using the Plotter** **Features of camera** - **Based on model of camera** **Taking Picture of:** • **People** - **Family Project** - **Backgrounds** - **Lighting** - **Focus** • **Objects** - **School Pride Project** - **Zoom** - **Focus** - **Balance** - **Where is your eye drawn** • **Landscapes/Architecture** - **Guided Tour Project** - **Balance** - **Focus** - **Zoom** - **Day vs. Night** • **Action** - **In motion Project**	3.4.10.D3. Synthesize data, analyze trends, and draw conclusions regarding the effect of technology on the individual, society, and the environment. 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. 3.4.12.E6. Compare and contrast the importance of science, technology, engineering and math (STEM) as it pertains to the manufactured world.	5Days 3 Days 12 Days 12 Days 12 Days	Foam/Display Board Binder and Sheet Protectors	

- **Exposure** - **Frames per sec** - **Focus** - **Day and night exposure** • **Theme (Cumulative project)** - **Based on National TSA Event (Imaging Technology)**		12 Days 12 Days	