



Wilton High School

Photography I

Course description:

Photography I is the initial course in the photography sequence at Wilton High School. The course is designed to introduce students to the fundamentals of the photographic process. Students will learn how to use their digital camera and smartphone camera with regard to aperture, shutter speed and ISO to record interesting visual aspects of their world. The course explores a range of photographic tools, including different types of cameras, lenses and printing processes. The class will explore Photojournalism, Portraiture, Fashion, Food, Candid, Still Life, Nature, Sports, Macro, Cyanotype and Infrared photography. Studio lighting and natural lighting techniques for portraiture and fashion photography will be covered. Students will also be introduced to photo editing techniques using Adobe Photoshop as well as unique smartphone apps. The course will provide an overview of photography as a communications medium.

Units/Topics	Students will know:	Students will be able to:
DSLR Camera Settings	• How to adjust ISO, Shutter speed and Aperture on a DSLR camera • How to change lenses on a camera • How to activate the flash • How to select the correct settings for proper exposure • How to insert a SD card • How to use manual and auto focus • The difference between a prime and a zoom lens	• Adjust the camera settings for proper exposure • How to change lenses on a camera • Turn off and on the flash • Select the correct settings for proper exposure • Insert a SD card • Focus manually and automatically • Understand the difference between a prime and a zoom lens
Photoshop Program	• How to import photographs into Photoshop	• Import Photographs into

	• How to navigate the various toolbars in Photoshop • How to apply various filter effects to images • Manipulate photographs using adjustment layers in Adobe Photoshop • Utilize Image Editing techniques: Brightness / Contrast, Levels, HDR toning, Cropping, Color Correction • How to utilize selection tools • Interpret and critique artwork • Utilize the elements of art and Principles of design	Photoshop • Navigate the toolbars • Apply filter effects to images • Utilize adjustment layers • Edit various items on a photograph • Create a selection in Photoshop • Participate in self critique and class critiques • Adapt the elements of art and Principles of design
Smartphone Photography	• How to edit photographs using various Apps • How to adjust f-stop, shutter speed and ISO on Lightroom camera • How to mount a cell phone onto a tripod • How to work collaboratively with others • How to connect a Macro/ Wide angle onto a smartphone • How to assess elements and principles of design • Familiarize with the work of professional Photographers • How to critique a photograph	• Create photographs with adjusted camera settings. • Assemble the phone onto the tripod • Utilize the elements and principles of design when creating photographs. • Analyze the photographs with peers • Reflect on different apps used to edit the images • Adapt the elements of art and Principles of design. • Participate in self critique and class critiques
Portrait Photography & Studio Lighting Techniques	• How to set the camera for shallow depth of field • How do work with a model • The 5 basic lighting techniques • How to use a reflector • How to use light modifiers • How to select a good background for the model • Familiarize with Rembrandt lighting • How to edit photographs in Photoshop • Techniques for presentation of their Portrait photographs	• Create portraits with shallow depth of field • Techniques for directing a model • Analyze the use of reflectors and light modifiers • Select a good background for a model • Adapt the elements of art and Principles of design to composition • Edit photographs in Photoshop • Participate in self critique and class critiques

Mixed Media Photography	• How to create a painting • How to select colors for the painting • How to assess elements and principles of design • How to critique a photograph	• Create a painting and combine it with a photograph using Photoshop or smartphone Apps • Understanding of color theory • Utilize the Elements of Art and Principles of Design while creating artwork • Participate in self critique and class critiques
Macro Photography	• How to set up a camera on a tripod • How to mount a macro lens on a SLR camera • How to focus with a macro lens • How to set the camera settings to achieve properly exposed macro photographs • How to edit macro photographs using Photoshop • How to mount and present macro photographs for critique and evaluation • How to critique a photograph • Familiarize with the work of professional Photographers	• Prepare the tripod • Mount the macro lens • Adjust to manual focus • Modify the camera settings to achieve proper exposure • Create photographs through macro lens • Utilize the Elements of Art and Principles of Design while creating artwork • Edit Photographs in Photoshop • Discuss & compare images • Participate in self critique and class critiques
Scanography	• Familiarize with the work of professional Photographers • How to formulate the settings on the scanner • How to create a design with objects on the scanner • How to assess elements and principles of design • How to work collaboratively with others • How to edit photographs using Photoshop • Techniques for presentation of their Scanography photographs. • How to critique scanned photographs	• Modify the scanner settings for professional mode • Create designs using various materials on the scanner • Refer to elements and principles of design when composing. • Rearrange the materials on the scanner to modify the images created • Execute scanned images from computer to Photoshop • Edit photographs in Photoshop • Assemble photographs onto a board for presenting • Analyze the scans with peers • Reflect on different designs of the images

Cyanotype Photography	• Learn history of Cyanotypes • How to create cyanotype paper and how to set up materials onto the cyanotype paper • How to expose the cyanotype paper to the sun to create an image. • How to identify the best materials for cyanotype images • How to wash the cyanotype to achieve the contrast in the image • How to work collaboratively with others • Techniques for presentation of their Cyanotype	• Collaborate with peers on creating a cyanotype • Assemble cyanotype paper under the glass and rearrange materials to achieve cyanotype print • Utilize the elements and principles of art when designing cyanotype images • Modify the image by washing it in water to achieve contrast in the image • Assemble images onto a board for presenting • Participate in self critique and class critiques
Photography Composition	• How to identify the following composition guidelines: • Fill the Frame • Birds Eye View • Worms Eye View • Leading Lines • Use of Shadow • Rule of Thirds • Framing • How to critique a photograph and discuss the photography composition of the image	• Participate in self critique and class critiques of images • Collaborate with peers and discuss the composition of images • Understand the different composition guidelines.