

INTRODUCTION TO DIGITAL PHOTOGRAPHY

Description

Digital Photography will explore electronic imaging through the use of digital cameras, scanners and printers. This course will cover basic technical information relating to the appropriate hardware and software used in electronic imaging and understanding basic photographic concepts and terminology. This course will also explore creative uses of digital photography as an art form. Students will incorporate the elements of art and principles of design that they have experienced in Introduction to Art. A digital camera and an appropriate media card are required. A \$50.00 lab fee is required.

Course Overview

Course Objectives

Students should:

Essential Questions

- How has photography impacted our lives?
- How do you use a digital camera?
- How can I organize my digital images?
- How can a photograph be manipulated to create a more powerful image?

Assessments

Common Assessments

Skill Assessments

Content Outline

- I. Unit 1 - [Introduction to Photography](#)
- II. Unit 2 - [Use of the Digital Camera](#)
- III. Unit 3 - [Digital Organization](#)
- IV. Unit 4 - [Digital Manipulation](#)

Standards

[Connecticut SDE Arts Curriculum Framework](#)

Connecticut State Visual Arts Standards are met in the following areas:

- *Connections*
- *History and Cultures*
- *Elements and Principles*
- *Content*
- *Analysis Interpretation and Evaluation*
- *Media*

Grade Level Skills

Students will:

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| Pacing Guide | | | | |
|--|--|---|---|---------|
| 1st Marking Period | | | 2nd Marking Period | |
| Month 1 | Month 2 | Month 3 | Month 4 | Month 5 |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | |
| <u>Introduction to Photography</u> | <u>Use of the Digital Camera</u> | <u>Digital Organization</u> | <u>Digital Manipulation</u> | |
| 2 weeks | 3 weeks | 4 weeks | 10 weeks | |

Unit 1 - Introduction to Photography, 2 weeks [top](#)

Standards

Connections

Students will make connections between the visual arts, other disciplines and daily life.

Students will:

- create and solve interdisciplinary problems using multi-media.

History and Cultures

Students will understand the visual arts in relation to history and cultures.

Students will:

- analyze common characteristics of visual arts evident across time and among cultural/ethnic groups to formulate analyses, evaluations and interpretations of meaning.

Unit Objectives

Students will be able to:

- understand the difference between Traditional and Digital Photography.
- understand the significance of traditional photography.

Essential Question

- How has photography impacted our lives?

Focus Questions

- How has digital technology made photography more accessible to the masses?
- How do traditional photographic concepts relate to digital photography?

Assessments

- Research, analyze and critique work of Master Photographers.
- Describe the evolution of Photography

Skill Objectives

Students will:

- use composition, contrast, clarity and center of interest.
- apply the elements of art and the principles of design to photography.

Unit 2 – Use of the Digital Camera, 3 weeks [top](#)

Standards

Elements and Principles

Students will understand and apply elements and organizational principles of Art.

Students will:

- apply comprehension and skill in incorporating the elements of art and principles of design to generate multiple solutions and effectively solve a variety of visual art problems

Content

Students will consider, select and apply a range of subject matter, symbols and ideas.

Students will:

- use subject matter, symbols, ideas and themes that demonstrate knowledge of contexts and culture and aesthetic values to communicate intended meaning.

Analysis Interpretation and Evaluation

Students will reflect upon, describe, analyze, interpret and evaluate their own and others' work.

Students will:

- defend personal interpretations using reasoned arguments.

Unit Objectives

Students will be able to:

- understand how traditional photographic concepts apply to digital photography.
- understand the use of the digital camera and how to integrate the elements of art and principles of design to create a sophisticated photograph.

Essential Question

- How do you use a digital camera?

Focus Questions

- How do you use the various controls on the camera to create different effects?
- What are the benefits of using a digital camera over a traditional camera?
- What is an SLR camera and how does it differ from a point and shoot?

Assessments

- Camera Manipulation
- Use of Light Meter
- Control of Aperture and Shutter Speed
- Focusing
- Framing
- Use of Media Card

Skill Objectives

Students will:

- use their knowledge of Pixel, Image size and Resolution.
- operate a digital camera.
- use composition, contrast, clarity and center of interest when framing a photograph.
- apply the elements of art and principles of

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|--|--|--|
| | | design to photography. <ul style="list-style-type: none">• apply traditional photographic concepts to digital photography. |
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Unit 3 - Digital Organization, 4 weeks [top](#)

Standards

Media

Students will understand, select and apply media, techniques and processes

Students will:

- communicate ideas consistently at a high level of effectiveness in at least one visual arts medium.

Unit Objectives

Students will be able to:

- recognize the use of research storage and organizational options for digital files.
- understand the value of organization.

Essential Question

- How can I organize my digital images?

Focus Questions

- Where are the various locations to store digital files?
- What are the most effective ways to organize digital files?
- How are digital files backup up and stored?

Assessments

- Transfer digital file from camera to computer
- Delete images from camera and computer
- Create and organize file in H drive
- Create contact sheet to use as a reference guide
- Burn a CD
- Transfer image to a thumb drive

Skill Objectives

Students will:

- create organize and save a digital photographic library.
- apply elements of art and principles of design to photography.

Unit 4 - Digital Manipulation, 10 weeks [top](#)

Standards

Elements and Principles

Students will understand and apply elements and organizational principles of Art.

Students will:

- judge the effectiveness of different ways of using visual characteristics in conveying ideas.

Unit Objectives

Students will be able to:

- recognize the differences among available manipulative software programs.
- understand the various filters and manipulative techniques.
- recognize alternative manipulative methods.
- understand the functions of available printers.

Essential Question

- How can a photograph be manipulated to create a more powerful image?

Focus Questions

- What tools can be used to manipulate a photograph?
- What programs can be used to manipulate a photograph?
- In Photoshop, how are layers used?
- What are the advantages and disadvantages of photo manipulation?
- How can photographic manipulation enhance an image?

Assessments

- Manipulate Images
- Use scanner as a resource
- Combine and layer images
- Resize and Reformat images
- Use various filter and manipulative controls associated with Photoshop
- Print a Photograph

Skill Objectives

Students will:

- use image editing software.
- connect, transfer and color manage photographs for successful output of images.
- integrate scanned images into photographs.
- control size and output of images.