

**Course Title:** Introduction to Digital Photography

**Board Approval Date:** January 19, 2015

**Credit / Hours:** 0.5

**Course Description:**

Introduction to Digital Photography and Graphics focuses on mastery of the PA Academic Standards for Arts and Humanities and the PA Academic Standards for Business, Computer and Informational Technology. Students will learn how to properly use a digital camera while learning how to take artistic and professional looking photos. In addition to taking digital photographs, students will learn how to digitally enhance, manipulate, edit, and publish the photographs using multiple computer programs, which may include Adobe Photoshop, InDesign, and iPhoto. Every attempt will be made to partner students in this class with the Graphics and/or Digital Graphics courses. All of the skills and techniques acquired throughout the course will culminate with the completion of a final project.

**Learning Activities / Modes of Assessment:**

Large group instruction	Production of various projects
Small group work	Participation / Teacher Observation
Digital Presentations	Instructional videos
Teacher Demonstrations	Rubric based grading
Individual and class critiques	Peer reviews
Test and quizzes	Digital Portfolio
Reading and writing assignments	
Hands on experience working with digital cameras	

**Instructional Resources:**

Various Teacher manuals/instructional guides  
Various Educational Videos  
Various Online resources  
Professional photography examples  
Examples of professionally produced designs  
Adobe Creative Suite Software  
Digital Cameras

## Course Pacing Guide

Course: **Art – Introduction to Digital Photography**

<b>Course Unit (Topic)</b>	<b>Length of Instruction (Days/Periods)</b>
1. Introduction to Photographic Equipment	15 days
2. Basic Design Principles	20 days
3. Basic Photography Manipulation and Composition	20 days
4. Introduction to Photoshop: Basic Editing and Manipulation	<u>25 days</u>
<b>DAYS TOTAL</b>	<b>80 Days</b>

## Unit One KUD: Introduction to Digital Photography

**Subject:** Introduction to Photographic Equipment

Days- 15

Grade: 9-12

**Teacher's Name:** Kevin Noll

By the end of this unit, students will be able to...

### **Know:**

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

### **Understand:**

Students will understand how a digital camera works and a variety of functions students can utilize while taking photos with a digital camera.

### **Do:**

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

**Know:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**9.1.12.K** Analyze and evaluate the use of traditional and contemporary technologies in furthering knowledge and understanding in the humanities.

**Understand:****Do:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**15.4.8.K** Created a multimedia project using students-created digital media.

**15.4.12.A** Apply the creative and productive use of emerging technologies for educational and personal success.

## Unit Two KUD: Digital Photography and Graphics

**Subject:** Basic Design Principles

Days- 20

Grade: 9-12

**Teacher's Name:** Kevin Noll

By the end of this unit, students will be able to...

### **Know:**

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

**9.1.12.E** Delineate a unifying theme through the production of a work of art that reflects skills in media processes and techniques.

### **Understand:**

Students will understand the Principles of Design and why they are important when taking photographs.

### **Do:**

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

**9.1.12.G** Analyze the effect of rehearsal and practice sessions.

**Know:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**Understand:****Do:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**Know:**

**Understand:**

**Do:**

**9.3.12.A** Explain and apply the critical examination processes of works in the arts and humanities

- Compare and contrast
- Analyze
- Interpret
- Form and test hypotheses
- Evaluate/form judgments

**15.4.12.K** Evaluate advanced multimedia work products and make recommendations based on the evaluations.

## Unit Three KUD: Introduction to Digital Photography

**Subject:** Basic Photography Composition and Manipulation

Days- 20

Grade: 9-12

**Teacher's Name:** Kevin Noll

By the end of this unit, students will be able to...

### Know:

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

**9.1.12.E** Delineate a unifying theme through the production of a work of art that reflects skills in media processes and techniques.

### Understand:

Students will understand how composition affects photography and why it is important. Students will learn the basics of digitally manipulating images through the use of computer software such as Adobe Creative Suite.

### Do:

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

**9.1.12.G** Analyze the effect of rehearsal and practice sessions.



**Know:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**9.1.12.K** Analyze and evaluate the use of traditional and contemporary technologies in furthering knowledge and understanding in the humanities.

**Understand:****Do:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**Know:**

**Understand:**

**Do:**

**9.1.12.K** Analyze and evaluate the use of traditional and contemporary technologies in furthering knowledge and understanding in the humanities.

**9.3.12.A** Explain and apply the critical examination processes of works in the arts and humanities

- Compare and contrast
- Analyze
- Interpret
- Form and test hypotheses
- Evaluate/form judgments

**15.4.12.K** Evaluate advanced multimedia work products and make recommendations based on the evaluations.

## Unit Four KUD: Introduction to Digital Photography

**Subject:** Introduction to Adobe Photoshop: Basic Editing and Manipulation      **Days-** 25      **Grade:** 9-12

**Teacher's Name:** Kevin Noll

By the end of this unit, students will be able to...

### **Know:**

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

### **Understand:**

Students will understand and build on their basic photo editing and manipulation skills by being able to incorporate techniques into a final photographic project using Adobe Creative Suite.

### **Do:**

**9.1.12.A** Know and use the elements and principles of each art form to create works in the arts and humanities.

- Elements- Visual arts: color, form/shape, line, space, texture, value
- Principles- Principles: balance, contrast, emphasis/focal point, movement/rhythm, proportion, repetition, unity/harmony

**9.1.12.B** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.

Visual Arts: paint, draw, craft, sculpt, print, design for environment, communication, multi-media

**9.1.12.C** Integrate and apply advanced vocabulary to the arts forms.

**Know:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**9.1.12.K** Analyze and evaluate the use of traditional and contemporary technologies in furthering knowledge and understanding in the humanities.

**Understand:****Do:**

**9.1.12.H** Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.

- Evaluate the use and applications of materials
- Evaluate issues of cleanliness related to the arts
- Evaluate the use and applications of mechanical/electrical equipment
- Evaluate differences among selected physical/space/environment.
- Evaluate the use and applications of safe props/stage equipment
- Evaluate the use and apply safe methods for storing materials in the arts

**9.1.12.J** Analyze and evaluate the use of traditional and contemporary technologies for producing and exhibiting works in the arts or the works of others.

- Analyze traditional technologies
- Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).

**Know:**

**Understand:**

**Do:**

**9.1.12.K** Analyze and evaluate the use of traditional and contemporary technologies in furthering knowledge and understanding in the humanities.

**9.3.12.A** Explain and apply the critical examination processes of works in the arts and humanities

- Compare and contrast
- Analyze
- Interpret
- Form and test hypotheses
- Evaluate/form judgments

**9.3.12.C** Apply systems of classification for interpreting works in the arts and forming a critical response.

**9.3.12.E** Examine and evaluate various types of critical analysis of works in the arts

- Contextual criticism
- Formal criticism
- Intuitive criticism

**15.4.12.A** Apply the creative and productive use of emerging technologies for educational and personal success.

**15.4.12.K** Evaluate advanced multimedia work products and make recommendations based on the evaluations.