

# Wyoming Department of Education Required Virtual Education Course Syllabus

## BIG HORN COUNTY SCHOOL DISTRICT #1

Program Name	WYCA	Content Area	Fine Arts
Course ID	CAFA77431	Grade Level	9, 10, 11, 12
Course Name	Digital Photography I A	# of Credits	0.5
SCED Code	05167G0.5012	Curriculum Type	Connections Academy

### COURSE DESCRIPTION

*Have you ever wondered how professional photographers manage to take such sensational pictures? How are they able to find just the right way to capture an image or moment in time? Perhaps you've even wondered why your own pictures don't meet that standard. Digital Photography I will answer these questions and help the student understand more about the basics of photography. Learning about aperture, shutter speed, lighting, and composition is key for any serious photographer and will help the student gain the confidence and knowledge he needs to become one. The student will not only follow photography through its history but also gain a basic understanding of camera functions, techniques, and what it takes to shoot quality portraits, close-ups, action shots, and landscapes.*

### WYOMING CONTENT AND PERFORMANCE STANDARDS

FPA11.1.A.1	Students conceptualize, create and revise original art to express ideas, experiences and stories.
FPA11.1.A.2	Students envision, create, communicate experiences and ideas, and work toward artistic goals through use of media, techniques, technologies, and processes.
FPA11.1.A.3	Students plan and create artistic works based on use of design elements and principles.
FPA11.1.A.5	Students use art materials and tools in a safe and responsible manner.
FPA11.1.A.6	Students select, prepare and exhibit their artwork and explain their choice(s).
FPA11.2.A.1	Students observe and describe in detail the physical properties of works of art.
FPA11.2.A.2	Students interpret and analyze the intentions of artists through themes, subjects and symbols. Students question and explore the implications of the artists' various purposes.
FPA11.2.A.3	Students state preferences for individual works of art and provide rationale for those preferences based on an analysis of artistic elements and principles.
FPA11.2.A.4	Students form and defend their preferences for artists, specific works and styles.
FPA11.3.A.1	Students differentiate among a variety of historical, environmental and cultural contexts in terms of characteristics and purposes of works of art.
FPA11.3.A.2	Students describe the function and explore the meaning of specific art objects within varied cultures, eras, and environments.
FPA11.3.A.3	Students analyze relationships of works of art to one another in terms of history, aesthetics, environment, and culture and place their work within the continuum of the visual arts.
FPA11.4.A.1	Students synthesize the creative and analytical processes and techniques of the visual arts and other disciplines.
FPA11.4.A.2	Students identify artistic skills and determine how they apply to a variety of careers and recreational opportunities.
FPA11.4.A.3	Students analyze the contributions that art and visual artists make to their local community and contemporary society.

### SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES
<p><b>Unit 1: Introduction to Photography</b></p> <p>In this unit, you will examine the basic operation of cameras and how images are created on film or through a digital sensor. You will learn more about some of the different types of cameras and the differences in operation between these types. In addition, you will discuss basic photography terminology and examine the basic features that appear in many cameras today.</p>	<p>FPA11.1.A.1, FPA11.1.A.2, FPA11.1.A.3, FPA11.1.A.5, FPA11.1.A.6, FPA11.2.A.1, FPA11.2.A.1, FPA11.2.A.2, FPA11.2.A.3, FPA11.2.A.4, FPA11.3.A.2, FPA11.4.A.1, FPA11.4.A.2, FPA11.4.A.3</p>	<ul style="list-style-type: none"> <li>•Discuss how cameras work.</li> <li>•Learn what happens inside the camera when you take a picture.</li> <li>•Investigate how an image is created by the camera.</li> <li>•Learn some of the basic photography and camera terminology.</li> <li>•Examine how to construct a simple pinhole camera home.</li> </ul>
<p><b>Unit 2: The History of Photography</b></p> <p>In this unit, you will explore the history of photography and the people who have made an impact on the technology and development of photography. In doing so, you will consider some of the basic elements of photography that were known before cameras were developed and discuss how these elements came together in the nineteenth century to create photographs. You will look at some of the developments that occurred throughout the nineteenth and twentieth centuries and how these developments shaped the ways that cameras worked and photography in general. Finally, you will explore the changing world of stock photography.</p>	<p>FPA11.1.A.1, FPA11.1.A.2, FPA11.1.A.3, FPA11.1.A.5, FPA11.1.A.6, FPA11.2.A.1, FPA11.2.A.1, FPA11.2.A.2, FPA11.2.A.3, FPA11.2.A.4, FPA11.3.A.2, FPA11.4.A.1, FPA11.4.A.2, FPA11.4.A.3</p>	<ul style="list-style-type: none"> <li>•Learn about pinhole cameras and how they were used before modern photography.</li> <li>•Discuss the development of the first camera in the early nineteenth century.</li> <li>•Investigate some of the advances that were made to cameras and photograph production through the nineteenth and early twentieth centuries.</li> <li>•Examine the development of digital cameras.</li> <li>•Discuss the changes in the stock image industry.</li> </ul>
<p><b>Unit 3: Aperture and Shutter Speed</b></p> <p>In this unit, you will discuss the use of aperture and shutter speed settings. You will learn how these settings are measured and how changing these measurements can change the photograph. You will discuss how these settings influence each other. You will also discuss some of the common camera modes and examine how the aperture and shutter speeds are set in these modes. Finally, you will examine how aperture and shutter speed can be used to create nighttime photographs.</p>	<p>FPA11.1.A.1, FPA11.1.A.2, FPA11.1.A.3, FPA11.1.A.5, FPA11.1.A.6, FPA11.2.A.1, FPA11.2.A.1, FPA11.2.A.2, FPA11.2.A.3, FPA11.2.A.4, FPA11.3.A.2, FPA11.4.A.1, FPA11.4.A.2, FPA11.4.A.3</p>	<ul style="list-style-type: none"> <li>•Understand aperture and shutter speed.</li> <li>•Discuss how different aperture and shutter speed settings can influence a photograph.</li> <li>•Examine how aperture and shutter speed settings influence each other.</li> <li>•Investigate some of the common camera modes.</li> <li>•Discuss how aperture and shutter speed can be used to create nighttime photographs.</li> </ul>
<p><b>Unit 4: Composition</b></p> <p>In this unit, you will discuss some of the guidelines and "rules" for composition in photography. You will discuss guidelines such as the "Rule of Thirds," framing, and active space among other composition tips. You will address each of the guidelines and when they are most useful for photographers. You will also examine instances where breaking the rules will result in a better photograph.</p>	<p>FPA11.1.A.1, FPA11.1.A.2, FPA11.1.A.3, FPA11.1.A.5, FPA11.1.A.6, FPA11.2.A.1, FPA11.2.A.1, FPA11.2.A.2, FPA11.2.A.3, FPA11.2.A.4, FPA11.3.A.2, FPA11.4.A.1, FPA11.4.A.2, FPA11.4.A.3</p>	<ul style="list-style-type: none"> <li>•Discuss composition and how it applies to photographs.</li> <li>•Examine some of the common "rules" of photography composition.</li> <li>•Investigate how the "rules" can improve photographs.</li> <li>•Discuss how and when to break the "rules" of photography composition.</li> </ul>
<p><b>Unit 5: Lighting</b></p> <p>In this unit, you will discuss lighting in photography and why it is important to pay close attention to this element. You will consider both natural lighting and artificial lighting, including some of the advantages and disadvantages of both. You will discuss how the direction of light on the subject and the time of day can affect the lighting of outdoor photographs. You will also learn more about the lighting equipment that studio photographers use.</p>	<p>FPA11.1.A.1, FPA11.1.A.2, FPA11.1.A.3, FPA11.1.A.5, FPA11.1.A.6, FPA11.2.A.1, FPA11.2.A.1, FPA11.2.A.2, FPA11.2.A.3, FPA11.2.A.4, FPA11.3.A.2, FPA11.4.A.1, FPA11.4.A.2, FPA11.4.A.3</p>	<ul style="list-style-type: none"> <li>•Discuss the importance of light when taking photographs.</li> <li>•Examine the advantages and disadvantages of natural and artificial lighting.</li> <li>•Investigate some tips and techniques for using light in outdoor photographs.</li> <li>•Learn about the lighting equipment and accessories for studio photography.</li> <li>•Discuss some tips and techniques for studio lighting.</li> </ul>

**Unit 6: Semester A Exam**

In this unit, you will review the information you learned throughout this course and take an exam to demonstrate your newly acquired knowledge.

- Review information acquired and mastered from this course up to this point.
- Take a course exam based on material from units 5-8 in this course.