

Wyoming Department of Education Required Virtual Education Course Syllabus

Niobrara County School District # 1

Program Name	Wyoming Virtual Academy	Content Area	VE
Course ID	D-TCH-030V3-K	Grade Level	9-12
Course Name	Image Design and Editing	# of Credits	0.5
SCED Code	11156G0.50 11	Curriculum Type	K12 Inc

COURSE DESCRIPTION

Typically a 9- week course. This is the perfect course for anyone who wants to create compelling, professional looking graphic designs and photos. Students learn the basics of composition, color, and layout before moving on to technical topics like working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. At the end of this course, students will have a variety of original projects for their graphic design portfolio.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
CV12.2.4	College and career-ready students apply safe, legal, and responsible use of information and technology as appropriate to the task.
CV12.3.3	College and career-ready students employ valid and reliable research strategies and apply prior knowledge to solve a problem or complete a project.
CV12.4.2	College and career-ready students determine the meaning of symbols, key terms, and other content-specific words and phrases as they are used in technical context. (*Adapted from CCSS RL.9.11)
CV12.4.4	College and career-ready students precisely follow a complex multistep procedure when performing technical tasks. (*Adapted from CCSS RL.9.3)
CV12.5.1	College and career-ready students manage resources to develop, analyze, and implement systems and applications.
CV12.5.2	College and career-ready students productively complete tasks taking constraints, priorities and resources into account.
CV12.5.3	College and career-ready students safely and ethically use current industry-standard tools and emerging technologies.
CV12.5.4	College and career-ready students utilize technology to develop innovative solutions or products.

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS
Unit 1: Semester Introduction 1.01: Start the Course	0	Identify computer requirements. Recognize different operating systems.

		Demonstrate how to switch between windows.	
Unit 1: Semester Introduction 1.02: Set Up Your Computer	0	Organize files and folders on a computer. Set up a computer to show the List folder view and filename extensions. Make a course folder.	
Unit 1: Semester Introduction 1.03: Set Up a Browser	0	Demonstrate how to set up a Web browser. Recognize reasons for zipping and unzipping files and folders.	
Unit 1: Semester Introduction 1.04: Download Resources and Zip Assignments	0	Demonstrate how to download, unzip, and install course resources. Demonstrate how to submit assignments. Demonstrate how to access the GIMP software program.	
Unit 2: Working with GIMP 2.01: Navigating GIMP	0	Demonstrate how to open GIMP for the first time. Demonstrate how to change to single-window mode. Identify different tools available in the GIMP Toolbox.	
Unit 2: Working with GIMP 2.02: Working in the Image Window	0	Describe the components of the image window.	
Unit 2: Working with GIMP 2.03: Unit Review and Quiz	CV12.4.2		0
Unit 3: Working with Digital Images 3.01: Opening and Saving Images	0	Open an image file in GIMP. Save an image in GIMP. Understand different image file formats. Change the file type of an image.	
Unit 3: Working with Digital Images 3.02: Image Properties	0	Define pixel and resolution. Determine the size of an image file.	
Unit 3: Working with Digital Images 3.03: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 3: Working with Digital Images 3.04: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2,		0

	CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		
Unit 4: Cropping and Colorizing Photos 4.01: Cropping	0	Demonstrate how to crop an image. Understand the importance of area of focus in images.	
Unit 4: Cropping and Colorizing Photos 4.02: Colorizing	0	Demonstrate how to colorize an image.	
Unit 4: Cropping and Colorizing Photos 4.03: Unit Assignment, Day 1	0		0
Unit 4: Cropping and Colorizing Photos 4.04: Unit Assignment, Day 2	0		0
Unit 4: Cropping and Colorizing Photos 4.05: Unit Assignment, Day 3	0		0
Unit 4: Cropping and Colorizing Photos 4.06: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 5: Tracing Photos 5.01: Tracing Photos	0	Learn how to add and hide layers. Use brushes to trace an image's shape.	
Unit 5: Tracing Photos 5.02: Adding Color	0	Change a brush's color. Create a solid-color background.	
Unit 5: Tracing Photos 5.03: Unit Review and Quiz	CV12.4.2		0
Unit 5: Tracing Photos 5.04: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0

Unit 5: Tracing Photos 5.05: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 5: Tracing Photos 5.06: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 5: Tracing Photos 5.07: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 6: Drawing Without Tracing 6.01: Drawing a Shape	0	Draw fruit freehand, without tracing. Use selection to avoid coloring outside the lines.	
Unit 6: Drawing Without Tracing 6.02: Drawing More Shapes	0	Add detail to the fruit. Move the layers of fruit.	
Unit 6: Drawing Without Tracing 6.03: Using Brushes	0	Make your own brush.	
Unit 6: Drawing Without Tracing 6.04: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 6: Drawing Without Tracing 6.05: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4,		0

	CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	
Unit 6: Drawing Without Tracing 6.06: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 6: Drawing Without Tracing 6.07: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 7: Using Filters 7.01: Creating Layouts	0	Make multiple copies of the same image. Scale an image. Move images around to create a poster layout.
Unit 7: Using Filters 7.02: Filtering and Colorizing	0	Change the appearance of your images using filters. Change the color of your images.
Unit 7: Using Filters 7.03: Unit Review and Quiz	CV12.4.2	0
Unit 7: Using Filters 7.04: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 7: Using Filters 7.05: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2,	0

	CV12.5.3 CV12.5.4		
Unit 7: Using Filters 7.06: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 7: Using Filters 7.07: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 8: Arranging Images 8.01: Cropping and Arranging Images	0	Choose multiple images to combine together. Change the size and position of the images.	
Unit 8: Arranging Images 8.02: Adding Visual Effects	0		0
Unit 8: Arranging Images 8.03: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 8: Arranging Images 8.04: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 8: Arranging Images 8.05: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1,		0

	CV12.5.2, CV12.5.3 CV12.5.4		
Unit 8: Arranging Images 8.06: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 9: Layering Images 9.01: Foreground and Background Images		0	Combine a creature or person with a background image.
Unit 9: Layering Images 9.02: Adding Text		0	Add a talk bubble. Write text for the talk bubble.
Unit 9: Layering Images 9.03: Unit Review and Quiz	CV12.4.2		0
Unit 9: Layering Images 9.04: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 9: Layering Images 9.05: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 9: Layering Images 9.06: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 9: Layering Images 9.07: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1,		0

	3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	
Unit 10: Masking Images 10.01: Masks	0	Make a mask for an image. Blur an image's background
Unit 10: Masking Images 10.02: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 10: Masking Images 10.03: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 10: Masking Images 10.04: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 10: Masking Images 10.05: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 11: Developing Selection Skills 11.01: Free Selecting and Colorizing	0	Use the Free Select tools to select parts of an image. Make specific leaves different colors.

Unit 11: Developing Selection Skills 11.02: More Free Selecting and Colorizing	0	Use the alternate Free Select method to select parts of an image. Use the Scissors tool to select parts of an image. Make specific leaves different colors.
Unit 11: Developing Selection Skills 11.03: Drawing and Selecting Paths	0	Use the Paths tool to draw a path, and turn it into a selection. Make specific leaves different colors.
Unit 11: Developing Selection Skills 11.04: More Selecting and Colorizing	0	Make specific leaves different colors. Use the Foreground Select tool to select parts of an image.
Unit 11: Developing Selection Skills 11.05: Unit Review and Quiz	CV12.4.2	0
Unit 11: Developing Selection Skills 11.06: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 11: Developing Selection Skills 11.07: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 11: Developing Selection Skills 11.08: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 11: Developing Selection Skills 11.09: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2,	0

	CV12.5.3 CV12.5.4		
Unit 11: Developing Selection Skills 11.010: Unit Assignment, Day 5	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 12: Making Word Graphics Lesson1: Typing and Shaping Words		0	Type a word and modify its shape.
Unit 12: Making Word Graphics 12.02: Adding Images to Words		0	Add an image to the word.
Unit 12: Making Word Graphics 12.03: Adding More Style		0	Add style to the word.
Unit 12: Making Word Graphics 12.04: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 12: Making Word Graphics 12.05: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0
Unit 12: Making Word Graphics 12.06: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4		0

<p>Unit 12: Making Word Graphics 12.07: Unit Assignment, Day 4</p>	<p>CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4</p>	<p>0</p>
<p>Unit 13: Enhancing Images 13.01: Masks and Gradients</p>	<p>0</p>	<p>Combine images together. Make the combined images look more three dimensional. Add a color gradient to make the image more interesting.</p>
<p>Unit 13: Enhancing Images 13.02: Text and Shapes</p>	<p>0</p>	<p>0</p>
<p>Unit 13: Enhancing Images 13.03: Unit Review and Quiz</p>	<p>CV12.4.2</p>	<p>0</p>
<p>Unit 13: Enhancing Images 13.04: Unit Assignment, Day 1</p>	<p>CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4</p>	<p>0</p>
<p>Unit 13: Enhancing Images 13.05: Unit Assignment, Day 2</p>	<p>CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4</p>	<p>0</p>
<p>Unit 13: Enhancing Images 13.06: Unit Assignment, Day 3</p>	<p>CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4</p>	<p>0</p>
<p>Unit 13: Enhancing Images 13.07: Unit Assignment, Day 4</p>	<p>CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2,</p>	<p>0</p>

	CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	
Unit 14: Adding Effects 14.01: Making Spheres	0	0
Unit 14: Adding Effects 14.02: Adding Effects	0	<p>Make a starry, night sky for the planet.</p> <p>Add effects to create an atmosphere around the planet.</p> <p>Learn about lens flare and add a Lens Flare effect.</p>
Unit 14: Adding Effects 14.03: Unit Assignment, Day 1	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 14: Adding Effects 14.04: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 14: Adding Effects 14.05: Unit Assignment, Day 3	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0
Unit 14: Adding Effects 14.06: Unit Assignment, Day 4	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0

Unit 15: Reflecting Images 15.01: Reflecting Images	0	Copy and flip an image. Add a watery effect to the flipped copy. Add an edge to the watery effect.
Unit 15: Reflecting Images 15.02: Unit Review and Quiz	0	0
Unit 15: Reflecting Images 15.03: Unit Assignment, Day 1	0	0
Unit 15: Reflecting Images 15.04: Unit Assignment, Day 2	CV12.2.1, 2.2, 2.4, CV12.3.1, 3.2, 3.3, 3.4 CV12.4.1, 4.2, CV12.4.4, CV12.5.1, CV12.5.2, CV12.5.3 CV12.5.4	0