

Curriculum Map: Desktop Publishing 2022-23

Course: WEB DESIGN Sub-topic: General

Grade(s): 9 to 12

Course Description: As a student in this course, you will learn the essential skills, tips, tricks, and techniques using Adobe Photoshop CC software. The skills learned in this course will enable you to make a variety of creative publications, as well as edit and transform photos.

Course Textbooks, Workbooks, Materials Citations: Adobe Photoshop Creative Cloud: Comprehensive Cengage Learning, copyright 2015
Photoshop CC 2019

Unit: Ch 1 - Edit a Photo

Timeline: Week 1 to 2

Unit Description: This unit will focus on using Photoshop CC to edit a photo. It will explain file types and teach students how to straighten and crop a photo, resize a photo, insert text and stroke, and create a border.

Unit Essential Questions: How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

Unit Assignments: Ch 1 Apply Your Knowledge
Ch 1 Extend Your Knowledge
Ch 1 Make It Right
Ch 1 In the Labs
Ch 1 Cases and Places

Unit Key Terminology & Definitions : workspace
panel
file type
file extension
cropping
stroke
image size

STANDARDS: STANDARDS

STATE: Pennsylvania SAS Academic Standards (2009-2013)

[15.4.12.G \(Advanced\)](#)

Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 1 Class Demonstration

Minutes for Topic: 176

Topic: Ch1 Student Exercises

Minutes for Topic: 396

Unit: Ch 2 - Use Selection Tools & Shortcut Keys

Timeline: Week 3 to 4

Unit Description: This unit will focus on using selection tools and shortcut keys in Photoshop CC. Students will learn to select objects using marquee tools, move, duplicate, scale, and flip selections, use grids, guides, and snapping, employ lasso tools, use the History panel, refine edges to adjust selection, select objects using the Quick Selection and Magic Wand Tools, add, subtract, and intersect selections, and save an image as a PDF file.

Unit Essential Questions: How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

- Unit Assignments:**
- Ch 2 Apply Your Knowledge
 - Ch 2 Extend Your Knowledge
 - Ch 2 Make It Right
 - Ch 2 In the Labs
 - Ch 2 Cases and Places

Unit Key Terminology & Definitions :

- marquee tools
- move tool
- snapping
- lasso tools
- history panel
- refine edges
- rotate

STANDARDS: STANDARDS

STATE: [Pennsylvania SAS Academic Standards \(2009-2013\)](#)

[15.4.12.G \(Advanced\)](#) Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 2 Class Demonstration

Minutes for Topic: 176

Topic: Ch 2 Student Exercises

Minutes for Topic: 352

Unit: Ch 3 - Work with Layers

Timeline: Week 5 to 7

Unit Description: This unit will focus on working with layers in Photoshop CC. Students will use the Layers panel and change options, create a layer via cut, rename layers and set identification colors, hide, view, and rearrange layers, create a new layer from another image or selection, duplicate layers and create layer groups, transform selections and layers, use the Eraser, Magic Eraser, and Background Eraser Tools, create layer masks, make level adjustments and opacity changes, apply adjustments using the Adjustments panel, add a layer style, use the Paste

Special commands, and flatten a composite image.

Unit Essential Questions: How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

Unit Assignments: Ch 3 Apply Your Knowledge

Ch 3 Extend Your Knowledge

Ch 3 Make It Right

Ch 3 In the Labs

Ch 3 Cases and Places

Unit Key Terminology & Definitions : layers

layer groups

transformation commands

scaling

change perspective

flipping

skewing

layer mask

level adjustments

brightness

contrast

layer style

STANDARDS: STANDARDS

STATE: Pennsylvania SAS Academic Standards (2009-2013)

[15.4.12.G](#)
(Advanced)

Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 3 Class Demonstration

Minutes for Topic: 264

Topic: Ch 3 Student Exercises

Minutes for Topic: 352

Unit: Ch 4 - Draw and Paint with Color

Timeline: Week 8 to 10

Unit Description: This unit will focus on drawing and painting with color in Photoshop CC. Students will create a Photoshop document from scratch using the Painting workspace, differentiate between color modes, apply gradients using the Gradient Tool, create smart objects, select colors using the Swatches panel, paint and draw using Photoshop brushes, adjust the hardness and diameter settings of brushes, append brush libraries, use a Color Picker dialog box, differentiate among the shape tools, create a shape, sample colors with the Eyedropper Tool, format text with advanced character features, and change the spacing between paragraphs.

Unit Essential How does an entrepreneur use technology to impact the operations and performance of a

Questions: business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

Unit Assignments: Ch 4 Apply Your Knowledge

Ch 4 Extend Your Knowledge

Ch 4 Make It Right

Ch 4 In the Labs

Ch 4 Cases and Places

Unit Key Terminology & Definitions : painting workspace

gradient

smart object

eyedropper tool

swatches panel

brush panel

character panel

paragraph panel

STANDARDS: STANDARDS

STATE: Pennsylvania SAS Academic Standards (2009-2013)

[15.4.12.G](#)

(Advanced)

Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 4 Class Demonstration

Minutes for Topic: 220

Topic: Ch 4 Student Exercises

Minutes for Topic: 440

Unit: Ch 5 - Enhance and Repair Photos

Timeline: Week 11 to 13

Unit

Description: This unit will focus on enhancing and repairing photos using Photoshop CC.

Unit Essential Questions: How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

Unit Assignments: Ch 5 Apply Your Knowledge

Ch 5 Extend Your Knowledge

Ch 5 Make It Right

Ch 5 In the Labs

Ch 5 Cases and Places

Unit Key Terminology & Definitions : grayscale
histogram panel
curves
transparent pixels
eraser tool
dodge, burn, and sponge tools
vignette
content aware
retouching tools
clone stamp tool
hue
saturation
angle and perspective errors
blending modes

STANDARDS: STANDARDS

STATE: [Pennsylvania SAS Academic Standards \(2009-2013\)](#)

[15.4.12.G](#)
[\(Advanced\)](#)

Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 5 Class Demonstration

Minutes for Topic: 264

Topic: Ch 5 Student Exercises

Minutes for Topic: 484

Unit: Ch 6 - Applying Filters and Patterns

Timeline: Week 14 to 16

Unit Description: This unit will focus on applying filters and patterns to photos using Photoshop CC to enhance the meaning of a digital image.

Unit Essential Questions: How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

Unit Assignments: Ch 6 Apply Your Knowledge
Ch 6 Extend Your Knowledge
Ch 6 Make It Right
Ch 6 In the Labs
Ch 6 Cases and Places

Unit Key Terminology & Definitions : filters
clipping mask

nudge
pattern
heading text
teaser text
knockouts
trapping
outer glow
smart objects
generate image assets
CMYK color mode

STANDARDS: STANDARDS

STATE: [Pennsylvania SAS Academic Standards \(2009-2013\)](#)

[15.4.12.G](#)
[\(Advanced\)](#)

Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 6 Class Demonstration

Minutes for Topic: 264

Topic: Ch 6 Student Exercises

Minutes for Topic: 484

Unit: Ch 7 - Create Color Channels and Actions

Timeline: Week 17 to 19

Unit

This unit will focus on creating color channels, warping text, and actions using Photoshop CC.

Description:

Students will create multiple versions of the same image to be used for different purposes such as versions for the web, for black-and-white advertising media, for color separations and tints, and for various color modes and sizes.

Unit Essential Questions:

How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

Unit Assignments:

Ch 7 Apply Your Knowledge

Ch 7 Extend Your Knowledge

Ch 7 Make It Right

Ch 7 In the Labs

Ch 7 Cases and Places

Unit Key Terminology & Definitions :

channel

color separations

spot color plate

RGB channels

alpha channels

action
color toning
desaturate
sepia image
duotone
lab color
color separations

STANDARDS: STANDARDS

STATE: Pennsylvania SAS Academic Standards (2009-2013)

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Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 7 Class Demonstration

Minutes for Topic: 220

Topic: Ch 7 Student Exercises

Minutes for Topic: 440

Unit: Ch 8 - Work with Vector Graphics and 3D Tools

Timeline: Week 20 to 22

Unit

This unit will focus on working with vector graphics and 3D tools using Photoshop CC.

Description:

Students will be creating clip art for various uses such as tickets, 3D posters, signs, magazine covers, promotional flyers, invitations, and game graphics.

Unit Essential

Questions: How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas:

An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials:

Photoshop CC and Internet

Unit

Assignments:

Ch 8 Apply Your Knowledge

Ch 8 Extend Your Knowledge

Ch 8 Make It Right

Ch 8 In the Labs

Ch 8 Cases and Places

Unit Key Terminology & Definitions :

clip art

bitmap images

vector images

vector graphics

shape layer or vector shape

path

anchor point

path

path line

closed path
open path
shape layer or vector path
rasterize

STANDARDS: STANDARDS

STATE: Pennsylvania SAS Academic Standards (2009-2013)

[15.4.12.G](#)
(Advanced)

Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 8 Class Demonstration

Minutes for Topic: 220

Topic: Ch 8 Student Exercises

Minutes for Topic: 440

Unit: Ch 9 - Web Tools, 3D Modeling, and Animation

Timeline: Week 23 to 25

Unit This unit will focus on using web tools, 3D modeling, and animation with Photoshop CC.

Description: These tools will help students design web pages perform advanced editing of 3D objects, and create animations.

Unit Essential Questions: How does an entrepreneur use technology to impact the operations and performance of a business?

Unit Big Ideas: An entrepreneur uses technology to impact the operations and performance of a business.

Unit Materials: Photoshop CC and Internet

Unit Assignments:	Ch 9 Apply Your Knowledge
	Ch 9 Extend Your Knowledge
	Ch 9 Make It Right
	Ch 9 In the Labs
	Ch 9 Cases and Places

Unit Key Terminology & Definitions : contact sheet
perspective warp
puppet warp
slice
image map
hot spots
slice badge
3D modeling
mesh
lighting types
animation
frame

animated GIFs

STANDARDS: STANDARDS

STATE: [Pennsylvania SAS Academic Standards \(2009-2013\)](#)

[15.4.12.G](#)
[\(Advanced\)](#)

Create an advanced digital project using sophisticated design and appropriate software/applications.

Topic: Ch 9 Class Demonstration

Minutes for Topic: 220

Topic: Ch 9 Student Exercises

Minutes for Topic: 440