

Timing: 1 to 3 hours

Level: Ages 15 and up

Getting started with Adobe Photoshop

Activity Overview

Adobe Photoshop is the industry standard program for manipulating images and creating bitmap graphics. In this activity students are introduced to the interface, terminology, and basic panels in Photoshop. They will learn about the purpose of layers in Photoshop, how to organize and customize the workspace, and how to manage color.

Note: Portions of this activity align to the Adobe Certified Associate objectives. Within the instruction steps and technical guides, the specific learning objectives for the exam(s) are referenced with the following format: ^{1.1}

Activity Objectives

Design skills

- Understanding image source
- Identifying the difference in color modes
- Understanding color management

Technical skills

Photoshop

- Understanding the Photoshop workspace
- Understanding the Adobe Photoshop interface
- Importing and working with various file formats
- Working with layers

Project Assets

- *Photoshop guide:* Overview of Adobe Photoshop ^{3.1}
- *Photoshop guide:* How to create a new document ^{2.1}
- *Photoshop guide:* How to understand color management ^{2.4, 3.5}
- *Photoshop guide:* How to use layers in Photoshop ^{3.1, 3.2}

Background preparation resources

[Technical and content information](#)

[ISTE NETS*S Standards for Students](#)

[Adobe Certified Associate objectives](#)

Activity Steps

1. Distribute the technical guides and introduce the interface, terminology, and basic panels in Photoshop.
Photoshop guide: Overview of Adobe Photoshop^{3.1}
2. Introduce how to create a new document in Photoshop and explain the options they can alter, including:
 - Document size^{2.1,2.4}
 - Resolution^{2.1,2.4}
 - Color mode (CMYK, RGB, grayscale, and so on)^{2.4}
 - Background color*Photoshop guide:* How to create a new document^{2.1}
3. To help students understand the importance of color management, explain why color variations occur between devices.^{2.4} Describe solutions to help them create consistency across devices. Some things to discuss include:
 - The differences between RGB and CMYK
 - Causes of color variation
 - Monitor profiles
 - Input device profiles
 - Output device profiles
 - Manage color by using color settings
 - Soft-proof to prevent color variation from screen to print
 - Manage color when printing*Photoshop guide:* How to understand color management^{2.4,3.5}
4. Using the "I do, we do, you do" method, discuss and demonstrate the following to help students learn how to work with Photoshop:
 - Layers:^{3.2}
 - Discuss and demonstrate the purpose of layers in Photoshop.
 - Use the Layers panel to create, select, hide, move, group, nest, rename, and delete layers.
 - Drag and drop a file into Photoshop to create a new layer.
 - Use filters to search layers.
 - Customizing: Demonstrate how to organize and customize the workspace.
 - Navigating images: Demonstrate the tools for navigating images, rotating the canvas, and panning and zooming.^{3.1}*Photoshop guide:* How to use layers in Photoshop^{3.1,3.2}
5. Introduce how to use guides and rulers in Photoshop. Demonstrate how to change the measurement unit on rulers and how to change guide properties.^{4.2}

Background preparation resources:

- To view video tutorials aligned with the skills required to complete this project, visit Adobe TV: <http://tv.adobe.com>.
- For more teaching and learning resources on the topics in this project, search for resources from the community on the Adobe Education Exchange: <http://edex.adobe.com/>
- For an overview of the interface and for more information on the technical aspects of *Adobe Photoshop*, see *Photoshop Help*.

ISTE NETS*S Standards for Students

This project is aligned to the ISTE NETS*S Technology Standards. Depending on the subject and content area the student selects you may research your own state content standards to see how this project aligns to your state requirements.

ISTE NETS*S: Curriculum and Content Area Standards – NETS for Students:

6. Technology Operations and Concepts
Students demonstrate a sound understanding of technology concepts, systems, and operations.
Students:
 - a. understand and use technology systems.

Adobe Certified Associate Exam Objectives

Adobe Certified Associate, Visual Communication objectives

- 2.1 Demonstrate knowledge of image resolution, image size, and image file format for web, video, and print.
- 2.4 Demonstrate knowledge of color correction using Photoshop.
- 2.6 Understand key terminology of digital images.
- 3.1 Identify elements of the Photoshop user interface and demonstrate knowledge of their functions.
- 3.2 Demonstrate knowledge of layers and masks.
- 3.3 Demonstrate knowledge of importing, exporting, organizing, and saving.
- 3.5 Demonstrate an understanding of and select the appropriate features and options required to implement a color management workflow.
- 4.2 Use Photoshop guides and rulers.

For more information

Find more teaching materials for using Adobe software in your classroom on the Adobe Education Exchange: <http://edex.adobe.com/>.



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345 Park Avenue
San Jose, CA 95110-2704
USA
www.adobe.com

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