

Unit 6 - Creating and Editing Images for Print

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Department of Curriculum and Instruction



Belleville Public Schools

Curriculum Guide

Digital Advertising & Design, GRADE 12

Unit 6 - Creating and Editing Images for Print

Belleville Board of Education

56 Ralph Street

Belleville, NJ 07109

Prepared by: Catherine Gingerelli

Dr. Richard Tomko, Ph.D., M.J., Superintendent of Schools

Ms. LucyAnn Demikoff, Director of Curriculum and Instruction K-12

Mr. Joseph Lepo, Director of Secondary Education

Board Approved:

Unit Overview

Students will learn when to use particular image formats for yearbook. Students will learn about formats, resolution, ethics, and copyright laws.

Enduring Understanding

Adobe Photoshop is a digital image editing program. The Photoshop workspace consists of toolbars, palettes, and menus. Photoshop will be used to edit yearbook photos.

Photoshop can be used to edit and improve photographs.

Photoshop is primarily raster-based, which means that images created in Photoshop are usually made of pixels.

Photoshop tools include selection tools, navigation tools, drawing and painting tools, type tools, and many

other types of tools.

Copyright laws dictate whether you can use an image that you did not create. You must pay royalties to use a copyrighted image.

Using layers and the History Panel allow you to make changes and selectively undo them.

Essential Questions

What tools are needed to edit photos?

Can old photos really be restored?

What are the Photoshop Retouch tools: Red Eye, Healing Brush, Spot Healing Brush and Clone Stamp?

What are the Photoshop Photo Filters, Correct Exposure, Shadows, and Highlights?

What are the Photoshop tools: Dodge, Burn, Sponge, Blur, Sharpen, and Smudge?

What is the importance of mastering layers?

Exit Skills

By the end of Unit, the student should be able to:

Demonstrate Photoshop proficiency using the various tools.

Demonstrate Design & Creative skills.

New Jersey Student Learning Standards (NJSL-S)

9.3.12.AR-PRT.1	Manage the printing process, including customer service and sales, scheduling, production and quality control.
9.3.12.AR-PRT.2	Demonstrate the production of various print, multimedia or digital media products.
9.3.12.AR-PRT.3	Perform finishing and distribution operations related to the printing process.
9.3.12.AR-VIS	Visual Arts
9.3.12.AR-VIS.1	Describe the history and evolution of the visual arts and its role in and impact on society.
9.3.12.AR-VIS.2	Analyze how the application of visual arts elements and principles of design communicate and express ideas.
9.3.12.AR-VIS.3	Analyze and create two and three-dimensional visual art forms using various media.
CS.9-12.8.1.12.CS.1	Describe ways in which integrated systems hide underlying implementation details to simplify user experiences.
CS.9-12.8.1.12.CS.2	Model interactions between application software, system software, and hardware.
CS.9-12.8.1.12.CS.3	Compare the functions of application software, system software, and hardware.
CS.9-12.CS	Computing Systems
TECH.9.4.12.CI	Creativity and Innovation
TECH.9.4.12.CI.1	Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).
TECH.9.4.12.CI.2	Identify career pathways that highlight personal talents, skills, and abilities (e.g., 1.4.12prof.CR2b, 2.2.12.LF.8).
TECH.9.4.12.CI.3	Investigate new challenges and opportunities for personal growth, advancement, and transition (e.g., 2.1.12.PGD.1).
TECH.9.4.12.CT	Critical Thinking and Problem-solving
TECH.9.4.12.CT.1	Identify problem-solving strategies used in the development of an innovative product or practice (e.g., 1.1.12acc.C1b, 2.2.12.PF.3).
TECH.9.4.12.CT.2	Explain the potential benefits of collaborating to enhance critical thinking and problem solving (e.g., 1.3E.12profCR3.a).
TECH.9.4.12.CT.3	<p>Enlist input from a variety of stakeholders (e.g., community members, experts in the field) to design a service learning activity that addresses a local or global issue (e.g., environmental justice).</p> <p>Innovative ideas or innovation can lead to career opportunities.</p> <p>Successful troubleshooting of complex problems involves multiple approaches including research, analysis, reflection, interaction with peers, and drawing on past experiences.</p> <p>A computing system involves interaction among the user, hardware, application software, and system software.</p> <p>With a growth mindset, failure is an important part of success.</p> <p>The usability, dependability, security, and accessibility of devices within integrated systems are important considerations in their design as they evolve.</p>

Interdisciplinary Connections

LA.RH.11-12.4	Determine the meaning of words and phrases as they are used in a text, including analyzing how an author uses and refines the meaning of a key term over the course of a text (e.g., how Madison defines faction in Federalist No. 10).
LA.RH.11-12.5	Analyze in detail how a complex primary source is structured, including how key sentences, paragraphs, and larger portions of the text contribute to the whole.
LA.RH.11-12.6	Evaluate authors' differing perspectives on the same historical event or issue by assessing the authors' claims, reasoning, and evidence. Integration of Knowledge and Ideas
LA.RH.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, qualitatively, as well as in words) in order to address a question or solve a problem.
LA.RH.11-12.8	Evaluate an author's claims, reasoning, and evidence by corroborating or challenging them with other sources.
LA.RH.11-12.9	Integrate information from diverse sources, both primary and secondary, into a coherent understanding of an idea or event, noting discrepancies among sources.
LA.RH.11-12.10	By the end of grade 12, read and comprehend history/social studies texts in the grades 11-CCR text complexity band independently and proficiently. Successful troubleshooting of complex problems involves multiple approaches including research, analysis, reflection, interaction with peers, and drawing on past experiences.

Learning Objectives

Students will demonstrate the ability to:

Determine which tools to use within Photoshop to edit and improve photographs they have taken.

Create original artwork using layers and blending modes in Photoshop.

Transform images using Photoshop image editing tools.

Apply the Principles of Design to the creation of digital artwork.

Suggested Activities & Best Practices

Throughout the creation of the publication, students will utilize storytelling techniques when taking and selecting photographs.

Students will take a photo that demonstrates cognizance of color within a frame and practice editing photos using Photoshop or another photo editing software to complete color corrections or colorizations.

Students will work as a team to gather photos for the Scavenger Hunt 7-Minute Starter Activity 7.6 using the techniques learned in the Photo Composition 7-Minute Starter Activity 7.6.

Identify Famous African Americans in the field of graphic design and the contributions made to society by these figures.

Understand and develop better eco friendly knowledge in regards to printers and scanners.

Using the editing tools in Photoshop, we will learn how to restore old Holocaust photos.

Assessment Evidence - Checking for Understanding (CFU)

Exit tickets for the purpose of checking for understanding.-formative assessment

Practical and written quizzes on materials taught by the teacher.

For example, teacher will give topics to students and students will create their own study guides prior to tests.-alternate assessment

Unit test-summative assessment

Throughout the creation of the publication, students will utilize storytelling techniques when taking and selecting photographs.-benchmark assessment

Students will take a photo that demonstrates cognizance of color within a frame and practice editing photos using Photoshop or another photo editing software to complete color corrections or colorizations.-benchmark assesment

- Admit Tickets
- Anticipation Guide
- Common Benchmarks
- Compare & Contrast
- Create a Multimedia Poster
- DBQ's
- Define
- Describe
- Evaluate
- Evaluation rubrics
- Exit Tickets
- Explaining
- Fist- to-Five or Thumb-Ometer
- Illustration

- Journals
- KWL Chart
- Learning Center Activities
- Multimedia Reports
- Newspaper Headline
- Outline
- Question Stems
- Quickwrite
- Quizzes
- Red Light, Green Light
- Self- assessments
- Socratic Seminar
- Study Guide
- Surveys
- Teacher Observation Checklist
- Think, Pair, Share
- Think, Write, Pair, Share
- Top 10 List
- Unit review/Test prep
- Unit tests
- Web-Based Assessments
- Written Reports

Primary Resources & Materials

Yearbook Avenue online software

Adobe Creative Suite software

Ancillary Resources

Before, During and After Events

Not all the action happens during an event. Sometimes the best stories are captured before or after the height of the action.

Downloads: [Lesson Plan and Exit Ticket](#); [Presentation](#)

Color and Photography

In this lesson, students must think critically about where and how to capture a photo that utilizes color theory

and must identify photos that need color correction.

Downloads: [Lesson Plan](#); [Presentation](#); Visible only to adviser: [Answer Key](#)

Composition

Well-composed photos are the key to visually dynamic yearbook spreads.

Downloads: [Lesson Plan Activity and Exit Ticket](#); [Presentation](#)

Cropping

Cropping can turn average images into visually stunning ones by creating a new focus.

Downloads: [Lesson Plan and Exit Ticket](#); [Presentation](#)

Technology Infusion

Chromebooks, iMacs, Google Classroom, Internet, YouTube, Smart Tv's, online research of professional websites, business websites to research topics, such as product knowledge and show demos on topics covered in unit, for example proper manipulations.

Win 8.1 Apps/Tools Pedagogy Wheel

Podcasts
 Photostory 3
 Kid Story Builder
 Music Maker Jam
 Paint A Story
 Office 365
 MS PowerPoint
 Stack 'Em Up
 NqSquared Numbers
 Physamajig
 Xylophone 8

Wikipedia
 Skydrive
 Lync
 SkyMap
 Skype
 Office 365
 Puzzle Touch
 Easy QR
 Memorylage
 Life Moments
 Word Cloud Maker

Where's Waldo?
 MS Excel
 Flipboard
 Office 365
 Nova Mindmapping

Ted Talks
 Record Voice Pen



Originally taken from <http://www.coetail.com/vzimmer/files/2013/02/iPadagogy-Wheel.001.jpg>
 And adapted for Windows 8.1 devices by Charlotte Beckhurst @CharBeckhurst

Alignment to 21st Century Skills & Technology

WRK.9.2.12.CAP	Career Awareness and Planning
WRK.9.2.12.CAP.1	Analyze unemployment rates for workers with different levels of education and how the economic, social, and political conditions of a time period are affected by a recession.
WRK.9.2.12.CAP.2	Develop college and career readiness skills by participating in opportunities such as structured learning experiences, apprenticeships, and dual enrollment programs.
WRK.9.2.12.CAP.3	Investigate how continuing education contributes to one's career and personal growth.
WRK.9.2.12.CAP.4	Evaluate different careers and develop various plans (e.g., costs of public, private, training schools) and timetables for achieving them, including educational/training requirements, costs, loans, and debt repayment.
WRK.9.2.12.CAP.6	Identify transferable skills in career choices and design alternative career plans based on those skills.
WRK.9.2.12.CAP.7	Use online resources to examine licensing, certification, and credentialing requirements at the local, state, and national levels to maintain compliance with industry requirements in areas of career interest.
TECH.9.4.12.CI	Creativity and Innovation
TECH.9.4.12.CI.1	Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).
TECH.9.4.12.CI.2	Identify career pathways that highlight personal talents, skills, and abilities (e.g., 1.4.12prof.CR2b, 2.2.12.LF.8).
TECH.9.4.12.CI.3	Investigate new challenges and opportunities for personal growth, advancement, and transition (e.g., 2.1.12.PGD.1).
TECH.9.4.12.CT	Critical Thinking and Problem-solving
TECH.9.4.12.CT.1	Identify problem-solving strategies used in the development of an innovative product or practice (e.g., 1.1.12acc.C1b, 2.2.12.PF.3).
TECH.9.4.12.DC	Digital Citizenship
TECH.9.4.12.DC.1	Explain the beneficial and harmful effects that intellectual property laws can have on the creation and sharing of content (e.g., 6.1.12.CivicsPR.16.a).
TECH.9.4.12.DC.2	Compare and contrast international differences in copyright laws and ethics. Collaboration with individuals with diverse experiences can aid in the problem-solving process, particularly for global issues where diverse solutions are needed. In order for members of our society to participate productively, information needs to be shared accurately and ethically. With a growth mindset, failure is an important part of success. Innovative ideas or innovation can lead to career opportunities. There are strategies to improve one's professional value and marketability. Career planning requires purposeful planning based on research, self-knowledge, and informed choices.

21st Century Skills/Interdisciplinary Themes

Upon completion of this section, please remove all remaining descriptions, notes, outlines, examples and/or illustrations that are not

needed or used.

Please list only the **21st Century/Interdisciplinary Themes** that will be incorporated into this unit.

- Communication and Collaboration
- Creativity and Innovation
- Critical thinking and Problem Solving
- ICT (Information, Communications and Technology) Literacy
- Information Literacy
- Life and Career Skills
- Media Literacy

21st Century Skills

Upon completion of this section, please remove all remaining descriptions, notes, outlines, examples and/or illustrations that are not needed or used.

Please list only the **21st Century Skills** that will be incorporated into this unit.

- Civic Literacy
- Environmental Literacy
- Financial, Economic, Business and Entrepreneurial Literacy
- Global Awareness
- Health Literacy

Differentiation

Teacher will demonstrate assignments in small groups.

Teacher will give study guide notes based on specific topics.

Differentiations:

- Small group instruction
- Small group assignments
- Extra time to complete assignments
- Pairing oral instruction with visuals

- Repeat directions
- Use manipulatives
- Center-based instruction
- Token economy
- Study guides
- Teacher reads assessments allowed
- Scheduled breaks
- Rephrase written directions
- Multisensory approaches
- Additional time
- Preview vocabulary
- Preview content & concepts
- Story guides
- Behavior management plan
- Highlight text
- Student(s) work with assigned partner
- Visual presentation
- Assistive technology
- Auditory presentations
- Large print edition
- Dictation to scribe
- Small group setting

Hi-Prep Differentiations:

- Alternative formative and summative assessments
- Choice boards
- Games and tournaments
- Group investigations
- Guided Reading
- Independent research and projects
- Interest groups
- Learning contracts
- Leveled rubrics
- Literature circles
- Multiple intelligence options
- Multiple texts
- Personal agendas
- Project-based learning
- Problem-based learning
- Stations/centers
- Think-Tac-Toes
- Tiered activities/assignments
- Tiered products
- Varying organizers for instructions

Lo-Prep Differentiations

- Choice of books or activities
- Cubing activities
- Exploration by interest
- Flexible grouping
- Goal setting with students

- Jigsaw
- Mini workshops to re-teach or extend skills
- Open-ended activities
- Think-Pair-Share
- Reading buddies
- Varied journal prompts
- Varied supplemental materials

Special Education Learning (IEP's & 504's)

A few examples for Special Education Learning are...

To teach practical lessons in small groups and model the assignment more than once

Student will repeat the procedure with peer help.

- printed copy of board work/notes provided
- additional time for skill mastery
- assistive technology
- behavior management plan
- Center-Based Instruction
- check work frequently for understanding
- computer or electronic device utilizes
- extended time on tests/ quizzes
- have student repeat directions to check for understanding
- highlighted text visual presentation
- modified assignment format
- modified test content
- modified test format
- modified test length
- multi-sensory presentation
- multiple test sessions
- preferential seating
- preview of content, concepts, and vocabulary
- Provide modifications as dictated in the student's IEP/504 plan
- reduced/shortened reading assignments

- Reduced/shortened written assignments
- secure attention before giving instruction/directions
- shortened assignments
- student working with an assigned partner
- teacher initiated weekly assignment sheet
- Use open book, study guides, test prototypes

English Language Learning (ELL)

A few examples for English Language Learners are ...

Students will use Google translate to help understand.

To show pictures of the assignment and the expectations, completed by the teacher of the assignment.

Peers will help tutor ELL students

- teaching key aspects of a topic. Eliminate nonessential information
- using videos, illustrations, pictures, and drawings to explain or clarify
- allowing products (projects, timelines, demonstrations, models, drawings, dioramas, poster boards, charts, graphs, slide shows, videos, etc.) to demonstrate student's learning;
- allowing students to correct errors (looking for understanding)
- allowing the use of note cards or open-book during testing
- decreasing the amount of work presented or required
- having peers take notes or providing a copy of the teacher's notes
- modifying tests to reflect selected objectives
- providing study guides
- reducing or omitting lengthy outside reading assignments
- reducing the number of answer choices on a multiple choice test
- tutoring by peers
- using computer word processing spell check and grammar check features
- using true/false, matching, or fill in the blank tests in lieu of essay tests

At Risk

A few examples for Intervention Strategies ...

Peers will help tutor students.

Peers will provide peers with key notes and outlines for the test.

- allowing students to correct errors (looking for understanding)
- teaching key aspects of a topic. Eliminate nonessential information
- allowing products (projects, timelines, demonstrations, models, drawings, dioramas, poster boards, charts, graphs, slide shows, videos, etc.) to demonstrate student's learning
- allowing students to select from given choices
- allowing the use of note cards or open-book during testing
- collaborating (general education teacher and specialist) to modify vocabulary, omit or modify items to reflect objectives for the student, eliminate sections of the test, and determine how the grade will be determined prior to giving the test.
- decreasing the amount of work presented or required
- having peers take notes or providing a copy of the teacher's notes
- marking students' correct and acceptable work, not the mistakes
- modifying tests to reflect selected objectives
- providing study guides
- reducing or omitting lengthy outside reading assignments
- reducing the number of answer choices on a multiple choice test
- tutoring by peers
- using authentic assessments with real-life problem-solving
- using true/false, matching, or fill in the blank tests in lieu of essay tests
- using videos, illustrations, pictures, and drawings to explain or clarify

Talented and Gifted Learning (T&G)

Please identify the **Talented and Gifted** adaptations that will be employed in the unit, using the ones identified below.

- Above grade level placement option for qualified students
- Advanced problem-solving
- Allow students to work at a faster pace
- Cluster grouping
- Complete activities aligned with above grade level text using Benchmark results
- Create a blog or social media page about their unit
- Create a plan to solve an issue presented in the class or in a text
- Debate issues with research to support arguments
- Flexible skill grouping within a class or across grade level for rigor
- Higher order, critical & creative thinking skills, and discovery
- Multi-disciplinary unit and/or project
- Teacher-selected instructional strategies that are focused to provide challenge, engagement, and growth opportunities

- Utilize exploratory connections to higher-grade concepts
- Utilize project-based learning for greater depth of knowledge

Sample Lesson

Unit Name: PHOTO EDITING

Unit Name: Introduction to Adobe Photoshop

Unit Name: Introduction to Using Adobe Photoshop

NJSLS - See Above

Interdisciplinary Connection: Business Preparation

Statement of Objective: SWDAT Use Adobe Photoshop to Design Create and Edit Images

Anticipatory Set/Do Now: What use do the drawing tools have in Photoshop?

Learning Activity: Students will follow along as I demonstrate how to use and manipulate the tools in Photoshop. Students will create an ad for Gulf Shore Resort.

Identify Famous African Americans in the field of graphic design and the contributions made to society by these figures. Understand and develop better eco friendly knowledge in regards to printers and scanners.

Using the editing tools in Photoshop, we will learn how to restore old Holocaust photos.

Student Assessment/CFU's:

CFU #(s):

9. Observation

Materials:

Smartboard, Computers, CREATIVE CLOUD Software,

21st Century Themes and Skills:

Differentiation:

Students with special needs may require some extra time

9.3.12.AR-PRT	Printing Technology
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9.3.12.AR-PRT.2	Demonstrate the production of various print, multimedia or digital media products.
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