

**Pequea Valley School District
Technology Education**

Unit: Digital Photography Environment

Course: Digital Photography

Grade: 9-12

Planning the Focus Based on the Desired Result

What do you want all students to know, understand and do by the end of the unit?

Unit Essential Question(s): Explain how an effective workflow can produce creative and artistic images.

Keystone Eligible Content/PA Core Standard

3.6.10. - B) Apply knowledge of information technologies of encoding, transmitting, receiving, storing, retrieving and decoding.

3.8.12. - B) Evaluate the consequences and impacts of scientific and technological solutions.

Pacing: Approximate number of class sessions per unit

10 Days

Tier 3 Vocabulary (Content specific vocabulary)

Digital
Photography

Know - What do students need to **know** in order to be able to do and understand? *List concepts, such as facts, formulas, key vocabulary and knowledge “nuggets”.*

- Learners will know the different employment opportunities in photography.
- Learners will be able to define the term digital photography.

Understand - What do students need to **understand**? What is the **big idea**? *List broad concepts or “big ideas” in a statement of enduring understanding.*

- Learners will understand the workflow of digital photography.
- Learners will understand the opportunities included in digital photography.
- Learners will understand how the photography industry has changed in recent years.

Learning Outcome - What do students need to be able to **accomplish** by the unit’s end? *List skills and competencies.*

- Learners will be able to describe how the photography industry functions and what opportunities are available.

Literature:

Software/Resources: PhotoShop

**Pequea Valley School District
Technology Education**

Unit: Introduction to the Camera

Course: Digital

Grade: 9-12

Planning the Focus Based on the Desired Result

What do you want all students to know, understand and do by the end of the unit?

Unit Essential Question(s): How can a camera be used to produce professional and creative images?

Keystone Eligible Content/PA Core Standard

3.6.10 - B) Apply knowledge of information technologies of encoding, transmitting, receiving, storing, retrieving and decoding.

3.7.12 - A) Apply advanced tools, materials and techniques to answer complex questions.

Pacing: Approximate number of class sessions per unit

35 Days

Tier 3 Vocabulary (Content specific vocabulary)

Shutter

Aperture

Creative Modes

Equal Exposure

White Balance

Exposure Compensation

Depth of Field

Know - What do students need to **know** in order to be able to do and understand? *List concepts, such as facts, formulas, key vocabulary and knowledge “nuggets”.*

- Learners will be able to define aperture and depth of field
- Learners will be able to define shutter speed.
- Learners will be able to define the word exposure.

● **Understand** - What do students need to **understand**? What is the **big idea**? *List broad concepts or “big ideas” in a statement of enduring understanding.*

- Learners will understand how all of the settings work together to create an equal exposure.
- Learners will understand how the settings affect composition.

Learning Outcome - What do students need to be able to **accomplish** by the unit's end? *List skills and competencies.*

- Learners will be able to create a collection of quality photographs utilizing the different camera settings.

Literature:

Software/Resources: PhotoShop

Pequea Valley School District

Technology Education

Unit: Introduction to PhotoShop

Course: Digital PhotoShop

Grade: 9-12

Planning the Focus Based on the Desired Result

What do you want all students to know, understand and do by the end of the unit?

Unit Essential Question(s)

How is PhotoShop used to process a photograph?

Keystone Eligible Content/PA Core Standard

3.7.12 - A) Apply advanced tools, materials and techniques to answer complex questions.

3.7.12 - D) Evaluate the effectiveness of computer software to solve specific problems.

3.6.10 - B) Apply knowledge of information technologies of encoding, transmitting, receiving, storing, retrieving and decoding.

Pacing: Approximate number of class sessions per unit

18 Days

Tier 3 Vocabulary (Content specific vocabulary)

Crop

Selection

Vector

Raster

Layers

Pallet

Adjustments

Filters

Know - What do students need to **know** in order to be able to do and understand? *List concepts, such as facts, formulas, key vocabulary and knowledge “nuggets”.*

- Learners will know the different tools in PhotoShop.
- Learners will know how to navigate through the program.

Understand - What do students need to **understand**? What is the **big idea**? *List broad concepts or “big ideas” in a statement of enduring understanding.*

- Learners will understand how PhotoShop can extend the capabilities of a photographer.

- Learners will understand the capabilities and limits of PhotoShop.

Learning Outcome - What do students need to be able to **accomplish** by the unit's end? *List skills and competencies.*

- Learners will need to know how to manipulate and adjust a photograph and complete PhotoShop-based photographs.

Literature:

Software/Resources: PhotoShop