

# Arts, Information and Communication: Photography

Understand the history and evolution of photography.

- A. Demonstrate knowledge of photographers who have made an impact on the shaping of images that influenced history and culture.** ARPH01.01.01

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- B. Demonstrate knowledge of photography and its role in art movements.** ARPH01.01.02

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- C. Demonstrate knowledge of approaches and trends in photography.** ARPH01.01.03

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- D. Demonstrate knowledge of the changing technology in photography.** ARPH01.01.04

Understand and use the elements and principles of photography.

- A. Understand the theory of light and optical principles.** ARPH02.01.01

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- B. Understand the characteristics of light.** ARPH02.01.02

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- C. Understand color temperature and color relationships.** ARPH02.01.03

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- D. Demonstrate the ability to apply knowledge of light in basic photography.** ARPH02.01.04

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- E. Understand the principle of lenses.** ARPH02.02.01

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- F. Understand characteristics of lenses.** ARPH02.02.02

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- G. Demonstrate the ability to apply knowledge of lenses in basic photography.** ARPH02.02.03

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- H. Use of the elements of art (e.g., color, line, form, shape, space, texture, value) in photography.** ARPH02.03.01

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- I. Understand and employ principles of design and composition.** ARPH02.04.01

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- J. Demonstrate knowledge of light sensitive material and photographic filters.** ARPH02.05.01

Understand and demonstrate the use of printing processes. ARPH03.01.01

- A. Understand chemical mixing rules.** ARPH03.01.01

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- B. Prepare photographic solutions.** ARPH03.01.02

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**C. Employ chemical safety and use Material Safety Data Sheets (MSDS)** ARPH03.01.03

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**D. Demonstrate knowledge of image processing and control.** ARPH03.02.01

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**E. Demonstrate knowledge of black and white printing.** ARPH03.03.01

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**F. Demonstrate knowledge of color printing.** ARPH03.04.01

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**G. Demonstrate use of photographic finishing and mounting.** ARPH03.05.01

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**Understand and demonstrate the use of photographic processes.**

**A. Demonstrate basic photographic techniques including center of interest, subject placement, perspective, and balance.** ARPH04.01.01

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**B. Understand and apply basic principles of shutter speed, aperture, metering, optics lighting and digital capture.** ARPH04.02.01

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**C. Understand various options available to images including digital compression, color management, and output options.** ARPH04.03.01

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**D. Use techniques and compositions to bring life to inanimate objects.** ARPH04.04.01

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**E. Understand the process of creating memorable images.** ARPH04.05.01

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**Understand and use software that supports photography.**

**A. Understand the fundamentals of professional software applications from a photographer's point of view.** ARPH05.01.01

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**B. Use image presentation software to manage images and create promotional pieces.** ARPH05.02.01

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**C. Produce a variety of digital images using computer software.** ARPH05.03.01

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**Demonstrate the use of photography equipment.**

**A. Demonstrate the use of still cameras and controls.** ARPH06.01.01

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**B. Demonstrate the use of motion media equipment.** ARPH06.02.01

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**C. Demonstrate the use of various lenses.** ARPH06.03.01

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**D. Demonstrate the use of lighting equipment and devices.** ARPH06.04.01

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**E. Demonstrate the use of darkroom equipment.** ARPH06.05.01

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