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**Photography II - List View - CTE Standards/Performance Indicators**

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**1.0 UNDERSTAND THE HISTORY, EVOLUTION, AND CURRENT TRENDS OF PHOTOGRAPHY****1.1 Investigate the Role and Development of Photography in Past and Present Cultures and Current Trends**

- 1.1.5 Compare characteristics of photography, within a particular historical period, including the following: style, ideas, issues, or themes in the humanities or sciences.
- 1.1.6 Describe recent advances and current trends in digital imaging technology.

**2.0 UNDERSTAND LEGAL AND ETHICAL ISSUES RELATED TO PHOTOGRAPHY****2.1 Analyze Legal and Ethical Photographic Practices**

- 2.1.2 Explain and practice the proper use of release forms.
- 2.1.8 Create and practice proper use of a watermark.
- 2.1.9 Debate the fair-use law.
- 2.1.10 Create accurate captions and manage metadata.

**3.0 IDENTIFY AND USE DIFFERENT TYPES OF CAMERAS AND LENSES****3.2 Demonstrate Use of Various Lenses and Their Application**

- 3.2.5 Explain the need to consider the conversion factor when using a standard lens on a digital body.
- 3.2.6 Demonstrate the uses of various types of lenses for different shooting situations.
- 3.2.7 Describe lens filters and their uses.

**4.0 DEMONSTRATE PROPER EXPOSURE SETTINGS TO ACHIEVE DESIRED EFFECTS****4.1 Demonstrate Proper Exposure Settings**

- 4.1.4 Calculate exposure equivalents.
- 4.1.9 Experiment with aperture and shutter speed as creative controls to capture an image in a variety of ways.
- 4.1.10 Practice reflective, incident, and spot meter readings.
- 4.1.11 Demonstrate the proper use of a gray card.

**5.0 UNDERSTAND THE ELEMENTS AND PRINCIPLES OF DESIGN AND COMPOSITION****5.3 Identify and Apply Guidelines for Composition**

- 5.3.4 Communicate a specific idea through the subject matter and the composition of a photograph.
- 5.3.5 Use critical thinking skills to describe, interpret, analyze, and make judgments about composition.

**6.0 UNDERSTAND LIGHT SOURCES****6.1 Understand Properties of Color and Quality of Light**

- 6.1.3 Explore various color spaces.
- 6.2 Utilize Ambient Lighting Techniques**
- 6.2.3 Manipulate and control existing light with light modifiers.
- 6.2.4 Demonstrate knowledge of how environmental conditions affect the quality of light and its effects on the subject.
- 6.2.5 Practice balancing ambient and artificial light sources.

**6.3 Utilize Artificial Light**

- 6.3.1 Set white balance to match light source.
- 6.3.2 Demonstrate traditional studio portrait lighting set-ups (e.g., split, loop, Rembrandt, butterfly/Paramount, short, broad).
- 6.3.3 Adjust lights to achieve specific lighting ratios.
- 6.3.4 Demonstrate proper use of a handheld light meter.
- 6.3.5 Utilize light modifiers to adjust the quality of light.
- 6.3.6 Explain and utilize correct sync speed.
- 6.3.7 Demonstrate the proper use of on or off-camera flash.

**6.4 Demonstrate the Safe Use of Photographic Materials and Equipment**

- 6.4.2 Demonstrate proper use of electrical cords and equipment.
- 6.4.3 Discuss safety measures needed during a photo shoot.

**7.0 IMPLEMENT DIGITAL WORKFLOW PROCESSES****7.1 Demonstrate Digital Asset Input and Management**

- 7.1.7 Explain the value of Raw Capture.
- 7.1.8 Apply key wording conventions to images during import.
- 7.1.9 Explain the benefits of batch processing.

**7.2 Demonstrate Editing Techniques**

- 7.2.6 Explore restoration and retouching techniques.
- 7.2.7 Explore the importance of monitor and printer color management.

**7.3 Demonstrate Effective Output Techniques**

- 7.3.5 Utilize appropriate printer profiles (e.g., paper type, size, quality, color management).
- 7.3.6 Evaluate print quality and troubleshoot various printer malfunctions.
- 7.3.7 Discuss the advantages and disadvantages of different types of printers.

**8.0 DEMONSTRATE COMPETENCE IN PRESENTATION TECHNIQUES AND PORTFOLIO DEVELOPMENT****8.1 Demonstrate Knowledge in Displaying Printed Images**

- 8.1.2 Select work and present appropriately in an exhibition.
- 8.1.3 Identify and demonstrate photographic presentation techniques.
- 8.1.4 Demonstrate the need for archival preservation of printed images.

**8.2 Create a Physical and Digital Portfolio**

- 8.2.1 Select quality work and justify choice of specific images.
- 8.2.2 Create a professional digital and print portfolio.
- 8.2.3 Organize, maintain, and update portfolio for specific presentation.
- 8.2.4 Demonstrate proper use of materials and equipment necessary to create a presentation.