Unit 04: The Theory of Color and How It Is Applied to enha

Content Area: **Technology**
Course(s):
Time Period: **November**
Length: **6 weeks**
Status: **Published**

Enduring Understandings

Photography provides and avenue of expression.

Humans use images and symbols to describe and understand the world around them.

Photography is an integral component of our daily lives.

Essential Questions

Is photography art or reality?

What will you photograph?

How do camera controls interact to record images?

What elements and principles are involved in designing a photograph?

Why is the critique process important to self-evaluation?

Is seeing still believing?

Content

Vocabulary:

Light quantity, light quality, rule of thirds, rule of composition, panning, ISO, shutter speed, aperture, white

balance, depth of field, image noise, bracketing,

Skills

Students will explore and apply the principles of composition while creating their own digital photographs.

Students will explore lead in lines and rule of thirds in photography and create photography that reflects these principles.

Students will

examine textures, study texture lighting to find the best possible lighting direction, examine the differences between patterns and textures and apply their findings when creating their own photos.

Students will successfully produce photography that reflects their knowledge of what ISO controls and how to change it, what shutter speed controls and how to change it, and what the aperture controls and how to change its setting, and what white balance controls and settings.

Resources

Standards

8.2 Technology Ed, Engineering, & Design
G. The Designed WorldShow details
8.2.12.G.1 Analyze the interactions among various technologies and collaborate to create a product or system demonstrating their interactivity.

9.4 CTE: C. Arts, A/V Technology, & Communications Career Cluster 57
Information Technology Applications:Show details
9.4.12.C.19 Employ technological tools to expedite workflow.

9.4.12.C.21 Operate Internet applications to perform tasks.

9.4.12.C.26 Employ collaborative/groupware applications to facilitate group work.

Employability and Career Development:Show details
9.4.12.C(2).6 Examine and summarize careers in this pathway to build an understanding of available

opportunities.

Technical Skills:Show details
9.4.12.C(3).5 Employ processes required for the production of various printed products to build an understanding of print technologies.

9.4 CTE: K. Information Technology Career Cluster
(3) Web & Digital Communication

Communication SkillsShow details
9.4.12.K(3).2 Create and implement a digital communication product to meet customer needs.

Technical SkillsShow details
9.4.12.K(3).10 Demonstrate the effective use of tools, including tools for product development, product management, and production, to complete Web-based or digital communication projects.

9.4 CTE: N. Marketing Career Cluster
Problem-Solving and Critical ThinkingShow details
9.4.12.N.22 Employ critical thinking skills (e.g., analyze, synthesize, and evaluate) independently and in teams to solve problems and make decisions.