

**I. PRELIMINARY INFORMATION:**

- A. **CLASS:** ..... Graphics Technology  
 B. **TITLE OF UNIT:** ..... Photography  
 C. **TITLE OF LESSON:** ..... Lighting  
 D. **MLO/COMPETENCY FOCUS:** .....  
 E. **DATE & TIME:** ..... –  
 F. **WEEK OF INSTRUCTION:** .....  
 G. **INSTRUCTOR:** .....  
 H. **ADDITIONAL INFORMATION:** .....

**II. EXTERNAL ALIGNMENT:**

*(Which **external standards** are driving our objectives? State core academic standards? National core academic standards? State or national technical/clinical standards? While we may identify the organizational name and number here, we must **KNOW** the spirit of the standard, and ensure we are actually teaching and assessing the standard (and not merely listing the standard's number.)*

*(use this column for course evaluation / improvement suggestions)*

*(Standard Source)*

*(Specific Standard Set & Number)*

Common Core State Stds:

State Tech/Clinical Stds: *Skills USA:*

**III. STUDENT PERFORMANCE OBJECTIVES:**

*(**Objectives** must drive the content, which in turn drives the student assessment. All three must be consistent (verb levels & domains). If this is accomplished, the curriculum is said to possess Internal Alignment.)*

*(**OBJECTIVES** → content → assessment = Internal Curriculum Alignment )*

*Psychomotor:*

*Exhibit the knowledge to properly set up studio lighting to obtain Split, Rembrandt, Butterfly and Loop lighting.*

*Cognitive:*

*Define terms related to photography's use of light*

*Demonstrate an understanding of artificial light*

*Demonstrate an understanding of natural light*

*Demonstrate the understanding of main and fill light placement and settings in a variety of studio settings ie. table top macro, portrait, & still life.*

*Affective:*

*Demonstrate sensitivity to bias (e.g., culture, gender, age)*

#### IV. TEACHING METHODS AND TECHNIQUES:

<i>(Category)</i>	<i>(Specifics)</i>
Discussion	<i>Discuss the need for studio lighting and how to compare it to, and simulate natural lighting. Discuss that the sun is natural lighting and the type of lighting you get by using it is determined by the season, but most importantly by the time of day.</i>
Illustrated Lecture	<i>Show presentation with representations of studio lighting techniques such as Split, Rembrandt, Loop, Butterfly and illustrate how lighting is set up.</i>
Illustrated Lecture	<i>Show presentation with representations of natural lighting such as Side, Back, Rim, Ambient, Soft, Hard, Artificial and Combination lighting.</i>
Other:	

#### V. RESOURCES REQUIRED:

<i>(Category)</i>	<i>(Specifics)</i>
Computer/Projector	for illustrated lecture

Other:  
Studio Lighting  
DSLR Camera

#### VI. INTRODUCTION:

Show students' a photograph taken in a studio using a green screened edited with an outdoor background to look like it was taken outside. Then show students' a photograph taken inside using natural light through a window. Explain to the students how studio lighting is designed to imitate natural lighting.

**VII. CONTENT:**

(objectives → **CONTENT** → assessment = Internal Curriculum Alignment )

identify lighting equipment (Light types and modifiers)

Light systems

Flashes

Diffusers

Reflectors

1, 2, and 3 light systems

Studio Lighting Techniques

- Split

- Rembrandt

- Loop

- Butterfly

Natural Lighting

- Side

- Back

- Rim

- Ambient

- Soft

- Hard

- Artificial

-Combination lighting.

**VIII. SUMMARY:**

Studio lighting compares to and imulates natural lighting.

Natural lighting is determined by the sun's placement

**IX. STUDENT PERFORMANCE ASSESSMENTS:**

(objectives → content → **ASSESSMENT** = Internal Curriculum Alignment ):

*Psychomotor:*

Demonstrate the use of portrait studio lighting to include 1 and 2 light system to include reflectors and diffusers .

Create light (flash basics, strobes, continuous, etc.)

Set lighting for tabletop and macro photography

*Cognitive:*

Understand how to use the light around you (direct sunlight, deep shade).

Explain ambient light.

Describe a three light system.

Discuss light temperature.

*Affective:*

**X. ASSIGNMENTS** *(reinforce major lesson components):*

Group Activities:	Pair students up and have students photograph each other using each type of studio lighting techniques.
Homework: (select)	Have students

**XI. RELEVANCE TO FUTURE LESSONS:**

(tie to future lessons, courses, levels, etc.)

**XII. LESSON/COURSE EVALUATION:**

(Which part of this lesson worked? What didn't? How can we improve this lesson, unit, course? Make notes now to initiate the course evaluation/improvement process...)