

# Unit 5: Lense Based Photography

Content Area: **Fine Arts**  
Course(s):  
Time Period: **Marking Period 1**  
Length: **35-40 Classes**  
Status: **Published**

## Brief Summary of Unit

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: Students will familiarize themselves with lens-based photography. Through lecture, multimedia presentations, discussion and text readings students will begin to understand the workings of lens-based photography and the parts and workings of a 35mm manual camera. Over the course of the unit students will learn black and white film processing and darkroom image enlargement and techniques. As always safety precautions will be addressed in the handling of chemicals all the while developing the students' photographic language. The unit of study is comprised of various photographic assignments exploring the basic elements of good composition. Students will participate in group critiques of photographic assignments as a key learning tool.

## Transfer

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## Essential Questions

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- • What is lens-based photography?

## Essential Understandings

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- • lens based photography allows for creative possibilities through the use of a variable depth of field and alternative darkroom processes and manipulation.
- • working with complex chemical solutions requires precautionary measures and respect for the materials and studio space.

## Students Will Know

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- • lens based photography is a form of visual communication that can take on a variety of formats.
- • the differences in the image formation process, visual characteristics of the photograph and mechanical characteristics between lens-based image making and pinhole image making.

## Students Will Be Skilled At

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## Evidence/Performance Tasks

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- • answer the essential questions.
- • complete a journal sheet, rubric and quiz
- • complete a writing prompt: With the advent of new technologies and the increasing reliance on digital imaging, will film photography become obsolete? Support your position utilizing information and understanding you have gained through your study of photography.
- • familiarize themselves with the basic parts of a camera through class use of various 35mm camera models.
- • follow correct procedures to create properly exposed and processed film.
- • submit for evaluation negatives, test strip and image based on weekly themed assignment.
- • utilize a through the lens light meter to calculate exposure time for negatives.

## Learning Plan

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- • Based on outline, students will lead teacher through demonstration of film processing and printing with the following material to be covered: o Tools o Chemicals o Procedure o Preparation o Processing o Negative handling o Photographic paper, enlarger, safelight, chemicals, and enlarging easel
- • Evaluation of negatives, printed images, journal sheet and rubric.
- • Group critique of first assignment will emphasize troubleshooting technical aspects of film processing and printing. Students will build vocabulary during critique session by using appropriate terminology when referencing work.
- • Group critique of work based on weekly themes. Class examines images to determine the success of working within given theme.
- • Hands on presentation of 35mm camera parts and relationship to pinhole camera parts, including outside, and inside of camera.
- • Individualized critique throughout the image making process to ensure technical success.
- • Internet browsing of contemporary photographers.
- • Lecture on darkroom safety, care and use. Large and small group demonstration.
- • Presentation and hands on demonstration of following material: o Bulk loading 35mm film into canisters. o Loading film into camera. o Shooting images. o Logging journal sheets. o Rewinding film correctly to avoid accidental exposure.
- • Preview the essential questions and connect to learning throughout the unit.
- • Students complete writing prompt related to study of Lens based Photography.
- • Students will continue to explore a variety of matting and mounting options for optimal presentation of their finished work.
- • Students will produce properly exposed negatives, printed images with good contrast and journal sheet of exposure times.
- • Students will read and outline Appendix 1 in textbook on film processing and printing.
- • Students will read and outline textbook Chapter 2: Tools.

- • Weekly photographic explorations based on specific theme.
- • Working in teams on their first attempt, students will photograph images, process and print film in darkroom facilities.

## Materials

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### Websites:

[www.icp.org](http://www.icp.org)

[www.photographymuseum.com](http://www.photographymuseum.com)

[www.masters-of-photography.com](http://www.masters-of-photography.com)

[www.alternativephotography.com](http://www.alternativephotography.com)

[www.photonet.org.uk](http://www.photonet.org.uk)

[www.nppa.org](http://www.nppa.org)

### Reference text:

The Photographic Eye, Michael F. O'Brien & Norman Sibley, Davis Publications, Inc., Worcester, Massachusetts, 1995.

## Suggested Strategies for Modifications

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- • additional time on task
- • alternative outcome options
- • assessment based on individual development in the area of study
- • audio tape of instruction
- • cooperative learning groups
- • handouts of notes, procedures, processes, diagrams, etc.
- • images and visual aids
- • one-to-one instruction and assistance
- • preferential seating
- • reading material modified to student level
- • revised techniques, use of tools and media in hands-on activities
- • study partners
- • testing materials appropriate to student level

