High Dynamic Range (HDR) Photography

Learning Goals: (IP 3.3.1) Student will be able to develop High Dynamic Range (HDR) images.

Overview & Directions: Your mission is learn the basics of HDR photography and how to use this technique to create more interesting images with this effect. There are cameras which have auto HDR features, sure you can try that, but for this challenge I want you to create your HDR photographs from scratch. (True HDR) What that means is you will have more control over the values and details that show up in your image. Photoshop has an automated tool to help you create HDR images, but it starts with capturing multiple photographs with a range in exposure levels.

Take more photographs than you think you will need so you have more to work with when editing. Furthermore, for your photograph to be a *true HDR* you will need to take at least three photos of with varying exposure levels, then combine multiple images together using photoshop. You can take HDR photos of nearly anything, but I suggest starting out with photographing an object first to practice. Then move onto more challenging subjects such as landscapes and portraits.

Learning Resources & Inspiration:
Watch Video: What is HDR Photography? (2 minutes)
Watch Video: How to process HDR photos in Photoshop (4 minutes)
Watch Video: How to use Exposure Compensation (3 minutes)
Important Vocabulary

Tips:
- Use a tripod
- Try not to move your camera at all
- Use a remote with your camera or your phone as the remote
- Use the M mode on the camera body and lens
- Take your camera off of auto white balance and auto ISO
- You select all settings you want to try
- Your goal is to capture a light, medium, and darker image to stack on top of each other using photoshop or some other software.

PHOTO BY: TRACY COLLINS

PHOTO BY: TRACY COLLINS

PHOTO BY: TRACY COLLINS

- **FUNDAMENTALS OF PHOTO** - Object Series or Still Life

- **INTERMEDIATE PHOTO** - Landscape Series

- **ADVANCED PHOTO/LAB** - Portrait Series