Subject Area: High School Digital Arts & Graphic Design  
Grade Level: High School Students, Educational Professionals  
Unit Name: HDR Photography

Lesson One Title: Introduction to HDR Photography  
Time Allotted: One 80-minute block.

Short Lesson Description: This lesson is intended to act as an introduction to the field of HDR photography. Students will view a short introduction to HDR photography and learn about exposure. Students will also watch a tutorial on creating an HDR image using Adobe Lightroom and Photoshop CS 6 and complete a short assignment demonstrating their understanding of the tutorial.

State Curriculum Standards:
- **NETS (Students)**  
  - 6b. Select and use applications effectively and productively.  
- **NETS (Teachers)**  
  - 3a. Demonstrate fluency in technology systems and the transfer of current knowledge to new technologies and situations.  
  - 3b. Collaborate with students, peers, parents, and community members using digital tools and resources to support students success and innovation.  
- **NETS (Administrators)**  
  - 2b. Model and promote the frequent and effective use of technology for learning.  
  - 2d. Ensure effective practice in the study of technology and its infusion across the curriculum.  
  - 3b. Facilitate and participate in learning communities that stimulate, nurture and support administrators, faculty, and staff in the study and use of technology.

Instructional Objectives:  
By the end of this lesson, students will be able to:  
- identify the composition of an HDR image.  
- create an HDR image using Adobe Lightroom and Photoshop CS 6.

Instructional Procedures:  
- **Lesson Set**  
  - The instructor will begin this lesson by showing students this short video on HDR Photography.  
  - As students are watching the video the instructor will draw their attention to the detail and range of colours in each of the photos.
• The instructor will explain the set up of the website and will review how to use the website.
• The instructor will explain that this lesson can be taken in a small guided group or individually as a self study.

• **Techniques and Activities**
  • Students will read the welcome note and watch the introductory video.
  • Students will read the blurb, “What is HDR Photography”.
  • Students will examine the image “Understanding Exposure” with a partner and ask clarification questions of their instructor if necessary.
  • Students will download the 3-image photo package.
  • Students will watch the HDR - Tutorial 1 video.
  • Students will use Adobe Lightroom 4 and Adobe Photoshop CS 6 to complete student assignment 1 either independently or while working with a partner.
  • Students will download the 13-image photo package.
  • Students will use Adobe Lightroom 4 and Adobe Photoshop CS 6 to complete student assignment 2 either independently or while working with a partner.
  • Students will email their end products to their teacher.
    • NOTE: Throughout this portion of the lesson the instructor will answer questions and guide students through any difficulties that they may encounter.

• **Lesson Closure**
  • The instructor will orally review the key elements taught in the lesson - HDR, creating an image, using Lightroom and Photoshop - with the class.

**Adaptations for Special Learners:** Each of the videos in today’s lesson feature closed captioning. Each of these lessons will be taught on a mac. Teachers may use this [OS X Accessibility Resource](#) to assist with any specific accessibility issue.

**Supplemental Activities:**
• **Extension**
  • Students will explore processing HDR images in more depth by watching this tutorial on better HDR in Photoshop CS 6.
• **Remediation**
  • Students will work with the instructor in a guided practice scenario where the instructor models the process of the activity step by step.

**Assessment & Evaluation:**
• The instructor will monitor student effort and engagement while instructing the class.
• The instructor will give a completion grade to the students for emailing in their artifact from Student Activity One. The instructor will acknowledge this completion grade through a response to the initial student email.
• The instructor will grade Student Activity Two using the rubric linked from the website.

**Learner Products:** Students will develop a first HDR image from the 3-image package and a second, more complex, sample from the 14-image package. Students will email each of these images to their instructor.