

**Virtual Visit Proposal  
3rd Grade Field Experience  
Color by Kelly Bourgeois  
March-May 2021**

**Summary**

The exhibition video tour includes comments from the artist Kelly Bourgeois and from young viewers talking about pieces in the exhibition. The hands-on lesson video is led by museum educator Sondra Hines and require 1 hour to complete.

The lesson blends art and science with expression of feelings and emotions. We ask students to work in pairs, and experiment with additive color process (mixing colored light) to design a simple stage set that exhibits an emotion or feeling of their choice. Students will explore aspects of additive color theory (mixing color with light) as it pertains and compares to subtractive color theory (mixing color with paint). Part of this includes becoming familiar with the primary colors for additive color theory (RBG) and explore the colors that can be made with these primaries.

**Learning Objectives**

**Students will:**

* Mix color using light; additive color process
* Practice prediction skills
* Practice observation skills
* Practice recording skills
* Create a three-dimensional stage set using simple materials
* Dramatize an emotion using only light and cut paper
* Consider qualities of lighting
  + Intensity
  + Color
  + Direction/shape/shadow
  + Focus/position (inside & outside of the stage)

**Teaching Approach: Arts Integration**

**Teaching Methods:**

* Discovery Learning
* Hands-On Learning

**Assessment Type**

Observation

**Background Information**

**Color Theory**-- In the [visual arts](https://en.wikipedia.org/wiki/Visual_arts), **color theory** is the guide to [color](https://en.wikipedia.org/wiki/Color) mixing and the visual effects of a specific color combination. There are categories of colors based on the [color wheel](https://en.wikipedia.org/wiki/Color_wheel): [primary color](https://en.wikipedia.org/wiki/Primary_color), [secondary color](https://en.wikipedia.org/wiki/Secondary_color), and [tertiary color](https://en.wikipedia.org/wiki/Tertiary_color). A tradition of "color theory" began in the 18th century. The idea is colors affect our **mood** and **perception**.

Color can be classified in different ways…

1. Warm and Cold
2. Receding and Advancing
3. Positive and negative
4. Subtractive and additive

**Additive Color**--**Additive color** refers to **color** within light and when the primaries of red, green and blue, RGB, are mixed together, they create 'white light'.

**Subtractive Color**-- **subtractive colors** are created by completely or partially absorbing (or subtracting) some light wave and reflecting others. **Subtractive colors** begin as white, like a blank piece of white paper. As you add filters to the white light, such as paint, this white takes on the appearance of **color**.

**LED**-- a light-emitting diode

**Materials Included**

Additive Light Field Experience Kit

links to exhibition tour video

link to hands-on lesson video

link to hand-outs

Red, Green, and Blue LED lights  
 Coin Batteries

Binder clips

Masking tape

yarn/string

Materials Needed from classroom

white copy paper 5 sheets/pair of students

pencils (several/pair of students)

scissors



Photo of Additive color hands-on