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Activities

Mixing Colors

Name: _____ Date: _____

In this Planet Diary activity, you'll explore what happens when colors are added and subtracted. The good news is there's no mess to clean up!

Directions

- First, mix primary colors with these Color Slides. Scroll to *Additive Color System (Red, Green, Blue)*. Select *Clown* from the menu on the right. Drag the blue rectangle (below the clown picture) to the lower right corner. Drag the red rectangle to the lower left corner so that colored pairs (red-green, green-blue, red-blue) overlap. Slide the pictures up/down or right/left to see the new colors created by combining each pair.
- Repeat with some of the other slides. Then answer Workspace questions 1 through 3.
- Next, you'll experiment with secondary colors. Scroll down to *Subtractive Color System (Cyan, Magenta, Yellow)*. This time, choose *Girl* from the slide menu. Drag the yellow rectangle (below the picture of the girl) to the bottom of the viewing area. Answer question 4.
- Drag the yellow rectangle back to its original position and drag the cyan rectangle to the bottom. Answer question 5.
- Drag the cyan rectangle back to its original position. This time, drag in the magenta rectangle to the bottom. Answer question 6.
- Experiment with subtracting secondary colors with the other slides.

Workspace

1. What secondary color results where red and green overlap?

2. What secondary color results where green and blue overlap?

3. What secondary color results where red and blue overlap?

4. What happens when yellow is subtracted?

5. What happens when cyan is subtracted?

6. What happens when magenta is subtracted?

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