**Color Vision Remote Lab Lesson Design** by Trish Loeblein 4/21/20

<https://phet.colorado.edu/en/contributions/view/5494>

This lab is an inquiry based lab designed for students working remotely as individuals. I used this simulation in class by just asking the students to explore the simulation and learn about how we perceive colored light and also light seen through filters. I did not have an activity other than the groups exploring and then a large class share out. My text book had the objectives, some reading, and questions.

For this remote lab, I used the Topics and Learning goals given on the [sim page](https://phet.colorado.edu/en/simulation/color-vision) except the Rainbow parts.

**Topics:** Photons**,** Monochromatic Light**,** White Light, ~~Rainbows~~

**Description** Make a whole rainbow by mixing red, green, and blue light. Change the wavelength of a monochromatic beam or filter white light. View the light as a solid beam, or see the individual photons.

**Learning Goals**

1. Describe the color of light that is able to pass through different colored filters.
2. Determine what color the person sees for various combinations of red, green, and blue light.

Screen 1 is used for goal A

Screen 2 is used for goal B