Color Vision **Grade- 6th - 8th**

Explore:

1. Switch the torch on. Select yellow bulb. What color does brain perceive? What is the color of ***light particles*** of yellow light?

2. Change color of bulb. Does brain perceive same or different color? What is the color of ***light particles*** of this light?

3. Select white bulb. What is the color of rays of while light?

4. What is the color of ***light particles*** of white light? Is the white light, mixture of all colors?

5. Switch the color filter on. Select any filter. When white light falls on filter, what light gets transmitted through it?

6. Select bulbs of red, green and blue colors. Change the intensity level of any/all colors. Check out what colors your brain perceive for different combinations of intensity of colors.
   (Red, Green and Blue are the primary colors of TV. These colors are intermixed to generate variety of different colors)

7. Increase the intensity of green light higher than that of red and blue. Observe change in color pattern.

Think:

1. Which color does the brain perceive if no light falls on the eyes?

2. What does color filter do? Does it transmit a single color of light or a narrow range of light?

3. If red color falls upon red filter:

   - Red color will be transmitted?
   - White color will be transmitted?
   - Blue color will be transmitted?
   - No light will be transmitted?

Contributions:

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