

# MIXING COLORS USING LIGHTS ACTIVITY

## Introduction

Have you ever painted a picture? When we mix different color paints, they can make new colors. For example, when you mix red and blue paints, you get purple! In this activity, you get to test what colors you can make by mixing light, and how mixing colors with lights is different than with paints!

## Learning Objectives

1. Understand how mixing colors with light is different from mixing colors with paint.
2. Learn how different colors mix together!

## Materials

1. 4 Flashlights
2. Colored cellophane sheets (yellow, red, green, blue)
3. Tape
4. White sheet of paper

## Step-by-Step

1. Take the cellophane sheets and wrap one around each flashlight (i.e. wrap the yellow sheet around one flashlight, the green around another, etc).
2. Secure the sheet around the flashlight using tape.
3. Turn the flashlights on and shine them toward the paper. Try switching

