

STEAM STORY TIME

AT HOME: COLORS!

Suggested Reading

- *Monsters Love Colors* by Mike Austin
- *Every Color Soup* by Jorey Hurley
- *Little Blue Little Yellow* by Leo Lionni
- *Green is a Chile Pepper* by Roseanne Greenfield Thong

Activity 1: Color Scavenger Hunt

Directions:

Go on a scavenger hunt, indoors or outdoors, to find objects of different colors. Place your found items in the rectangles on your sheet. Try to fill each rectangle with different objects - it will look like a rainbow!

Activity 2: Color Mixing

Supplies:

- Pipette
- 4 clear cups
- Red, blue, yellow food coloring
- Water
- Bowl for waste water, or sink

Directions:

1. Fill each cup half to three quarters full of water.
2. Put a couple drops of food coloring in the first cup, blue in the second, and yellow in the third.
3. The fourth cup, which should also contain water, is where you will experiment with mixing colors.
4. Fill the pipette with one color, and empty it into the experiment cup.
5. Pick another color and fill your pipette. Add that color to your experiment cup.
6. What color did you create?
7. Empty the cup, and refill with clear water. Repeat the experiment with different colors.
8. Keep experimenting. How many colors can you make? What happens if you mix all the colors?

Activity 3: Find a Rainbow

Directions:

1. See if you can find a rainbow "in the wild," meaning one that just happens to appear (like after it rains, or light refracted through glass or a crystal).
2. If you cannot find one "in the wild," that's ok! You can try to make one. You can try to reflect light off of a CD or DVD (you can also use a flashlight on it in a darker room). You can take a clear glass of water, hold it half on/half off a table where sunlight will shine through it, and look on the floor.
3. Once you find a rainbow, what order do you see the colors? If you find another rainbow, in what order are its colors?

Activity 4: Paint the Rainbow

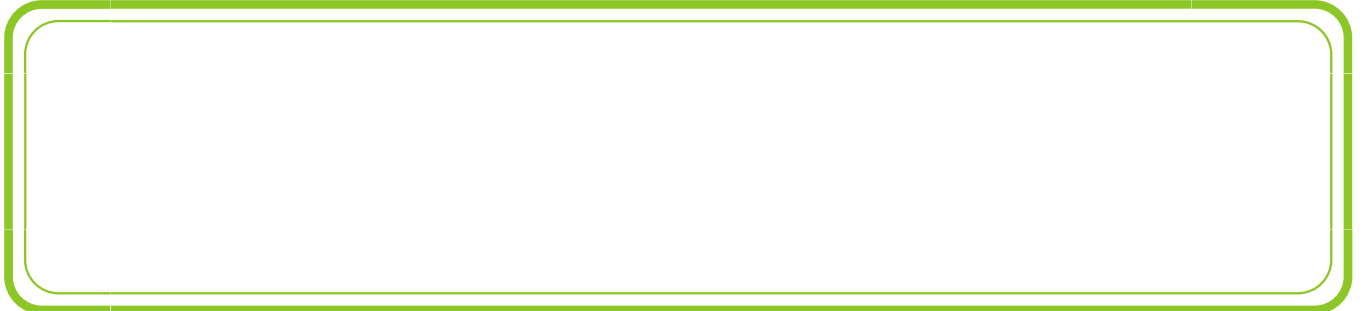
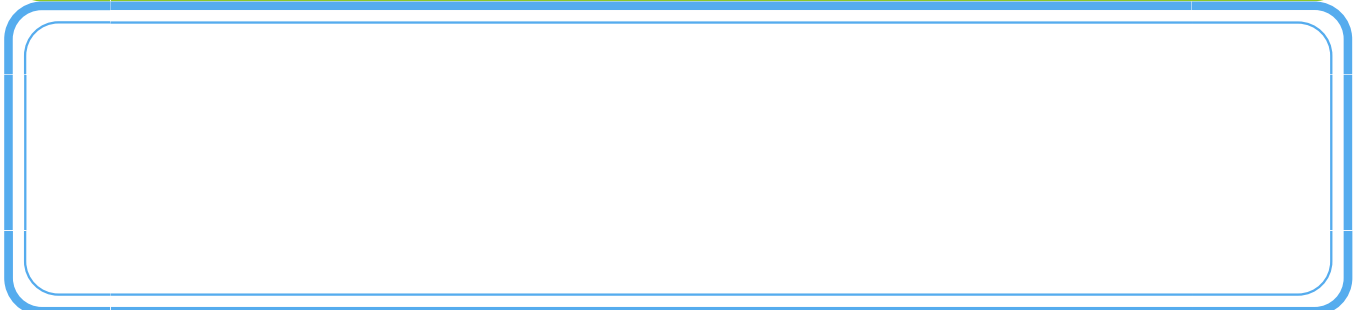
Supplies:

- Water colors
- Paint brush
- Water color papers

Directions:

1. Paint a rainbow! Paint it in anyway you wish, but try to paint in ROYGBIV (Red Orange Yellow Green Blue Indigo Violet) order.
2. Rainbows often bring a smile to peoples' faces. Give some of your art to family members, friends, neighbors, or anyone who you think might need a rainbow (with your grownups permission, of course!).

Color Scavenger Hunt

A large, empty rectangular box with rounded corners and a red border, intended for recording findings for the color red.A large, empty rectangular box with rounded corners and an orange border, intended for recording findings for the color orange.A large, empty rectangular box with rounded corners and a yellow border, intended for recording findings for the color yellow.A large, empty rectangular box with rounded corners and a green border, intended for recording findings for the color green.A large, empty rectangular box with rounded corners and a blue border, intended for recording findings for the color blue.A large, empty rectangular box with rounded corners and a purple border, intended for recording findings for the color purple.