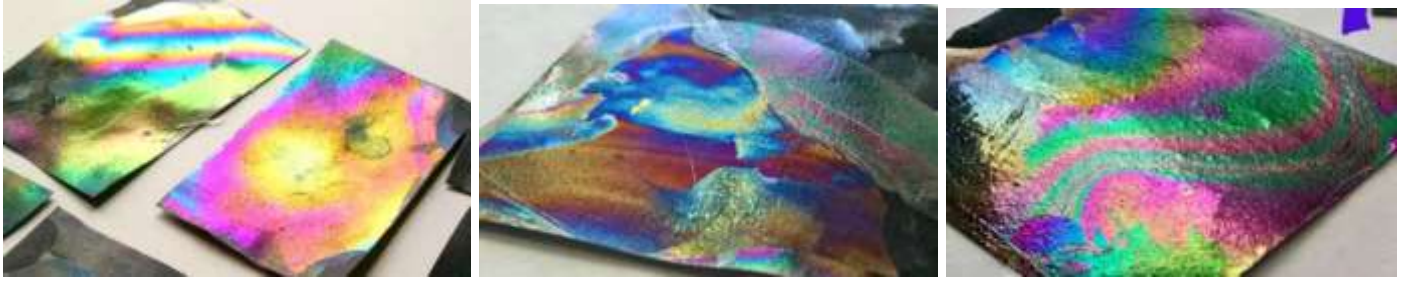


Rainbow Paper



Website: <https://www.sciencekiddo.com/rainbow-paper-kid-color-science/>

Video: <https://youtu.be/BFuZSWeAwqE>

Supplies Needed:

- A bowl full of water
- Clear Nail Polish
- Black Construction Paper (cut to approximately 3"x5" but you could also do 4"x6" depending on the size of your bowl)
- Paper Towels

How to make your Rainbow Paper:

- Drop 1 little drop of nail polish on the surface of the water in your bowl.
- Wait just a couple seconds (no longer than 5 seconds) and then dip your black paper into the water and pull it out. The reason to move quickly is because the nail polish dries quickly on the surface of the water, which will create a film that won't stick to your paper. If this happens, simply scoop the film off and try it again moving more quickly.
- Set the rainbow paper onto paper towels to dry.

Another method: Place the paper under the water first then drip one drop of nail polish on top of it. The nail polish disperses across the surface of the water within a couple of seconds. Once the nail polish spreads out it is safe to pull the paper out of the water leaving a thin film of clear nail polish to coat your paper!

Once the paper is dry (just a few minutes) tilt the paper in different directions to see the rainbow pattern appear. Try holding it next to a sunny window to see the brilliant colors. Each piece will turn out very unique depending on the thickness of the nail polish on the paper. Try to find each color of the rainbow on your paper: red, orange, yellow, green, blue, indigo, & violet. This is the same effect you see when it rains and oil mixes with the water on the road. This is called film interference. It is also visible on the surface of soap bubbles at just the right angle of light.

Alternative Ways to Make Your Own Paper:

- **Marbled Milk Paper** :: Bubble Dabble Do
- **Shaving Cream Marbling** :: The Artful Parent
- **Oil and Watercolor Painting** :: Playdough to Plato