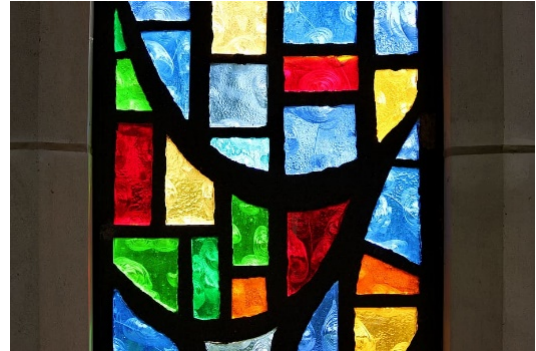


# "Stained" Glass

(suggested age: 4+, fun for the whole family!)

## Gather

- A window
- Paint brush
- Painter's tape
- Paint (watercolors or acrylic craft paint)
- Container of water for rinsing
- Cloth for wiping



## Let's Create!

1. Decide on a design. Sometimes it's helpful to sketch ideas out onto paper first.
2. Apply painter's tape to the glass everywhere that you want a separation between colors.
3. Paint within the taped areas, try watering down the acrylic craft paint for a more see-through effect.
4. Carefully peel the painter's tape from the window.
5. Observe how the window looks from the inside during the day and from the outside at night when there is a light turned on inside the room.
6. To remove, the watercolor can simply be washed from the window with water and a little bit of detergent. To remove acrylic, spray with water to soften, then use a putty scraper or old gift card to gently scrape away.

## How Does it Work?

Painting on a window mimics actual stained glass by taking advantage of the light that can shine through it. Actual stained glass is created by adding chemicals to the process of glass making. Painted "stained glass" takes normal clear glass, which transmits just about all of the white light that hits it, and creates filters through the addition of thin films of paint. White light, from outside sunlight or inside lamp light, is made of all of the colors of light: red, orange, yellow, green, blue, indigo, and violet (ROYGBIV.) When covered with a thin film of colored paint, the white light is filtered and only the color that you see can get through. So if you paint a section with red paint, only red light will shine through while all of the orange, yellow, green, blue, indigo, and violet will be blocked.

## Take it Further!

To see more examples and to find out more about the history of stained glass, visit:

<https://mymodernmet.com/stained-glass-history/>