

Kaleidoscope

Design a kaleidoscope image using your first name and its transformations.

1. Begin with a square sheet of paper (trim an 8.5" x 11" to a square). Create a fold along the paper horizontally, vertically, and along each diagonal, so that eight triangular regions are formed.
2. In one of the regions, place an artistic rendition of your first name. Use some kind of block or puffy letters so that your name fills the entire region, and the borders of the letters actually touch the borders of the region.
3. Then reflect your letters through one of the folds to fill the next region. (see diagram below). Continue to do this all the way around the page until all regions are full. Keep the color scheme of each letter consistent throughout the design. (e.g. "C" below is orange through the design, while "H" is always green.)
4. On the backside of the original region, write the word "original." On the backside of the first reflected region, write the word "reflection." On the back of each of the other regions, write whether that region is a reflection, translation, rotation, or glide reflection in regards to the original.

For example:

