

## Interactive Generative Art with Weavesilk

**Objective:** Learn about symmetry through an interactive art generator.

### Procedure:

1. Play around with the generator at [weavesilk.com](http://weavesilk.com) or [myoats.com](http://myoats.com)
2. Come up with 2 designs changing the parameters including at least two of the following:
  - a. 2 - 6 fold symmetry
  - b. Mirror across Center
  - c. Spiral Toward Center
3. After you have created your design import it Geogebra. Try the [Geogebra app](#) if you don't have the program.
4. In your inking program you will superimpose lines that indicate the lines of reflection and rotation. For rotation indicate the amount of rotation used.
5. Once you have completed all the above steps save your work in a Google Presentation in your Geometry Folder in Google Docs.

**Grade:** Your two points will be credited for come up with 3 different designs using the various parameters, showing the lines of reflection and rotation as well as sharing them with me.

Example: Here is 3 fold spiral toward center design.



