PATTERNING ACTIVITIES

Algebra is the study of symmetries and patterns.

1. Make a design using pattern blocks (attribute blocks).

2. Identify any gestalt structures in your design.

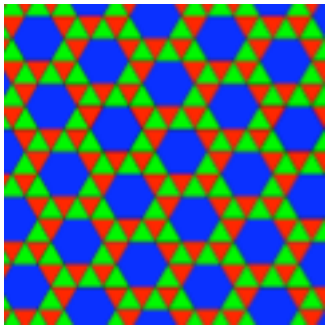
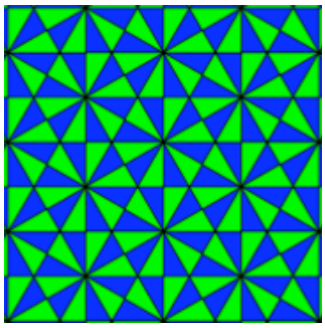
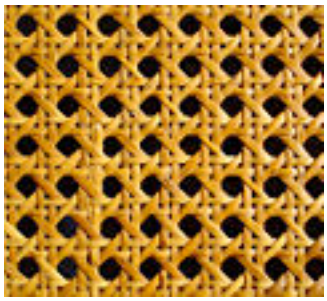
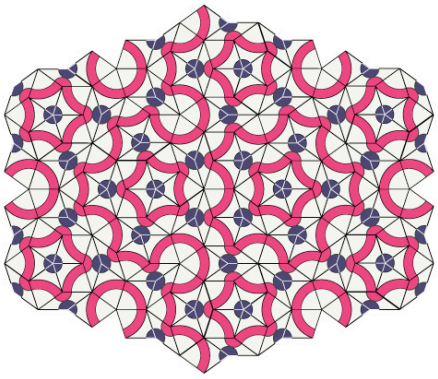
3. Make a design for each of the following types of perceptual gestalts:

a. proximity
b. similarity
c. continuity
d. closure
e. area

4. Make a design for each of the following types of symmetry:

a. translational or repeating
b. rotational
c. reflection or mirror (one axis of symmetry)
d. mirror (multiple axes)
e. re-entrant or recursive (fractal)

5. Visit

http://www-viz.tamu.edu/faculty/ergun/research/artisticdepiction/symmetric/program/index.html

5. Identify some symmetries in the following patterns: