



## A STAR IN MY ORANGE

by

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This simple book with minimal text shows photographs of various shapes in nature. There is a wide variety of shapes to be found both inside and out. This book gives examples your students might look for.

To transition to this activity, remind your children that the book showed them where to find shapes in nature. Most things are made up of a variety of shapes in various sizes. Tell them that they are going to look for shapes in things.

**MATERIALS:** Activity #1 - tag board patterns of various shapes in various sizes, crayons, pencils, paper, markers  
Activity #2 - list of shapes for each child (triple spaced to allow room for drawing shape), pencils, crayons (optional)  
Activity \*3 -- 12 oz can frozen apple juice, 3 envelopes Knox gelatin, water, cookie cutters in geometric shapes.

### ACTIVITIES:

Activity #1. The day before, ask your children to take special notice of the shapes they see at home and the shapes they see at school. Ask about the shapes they found at home and at school. Tell them they are going to make a picture with shapes. You may require a minimum number of desired shapes. Provide tag board patterns of each shape in varying sizes per group. Have them:

1. Draw a picture and include at least six (6) different polygons.
2. Color the picture.
3. Outline each of the shapes with a marker.
4. Neatly label each shape.
5. Share their pictures with their group.

Activity #2. Scavenger Hunt Tell your students that they are going to go on a

scavenger hunt (you may need to explain what this is). Each child will get a list of shapes to "scavenge" for. For younger children, the list could be pictures instead of words. [Place index cards at various points in the room with a shape on the front and the facts about that shape on the back.] Have the students look for the shape and when they find it, draw its picture next to its name on their list, and record the information from the back of the card. (Provide the name of each shape on the back of the card for self-assessment.)

Example of card:

Triangle	Has three sides Has three angles
Polygon	A closed shape Sides are straight lines

Activity #3: Make Healthy Geometric Jigglers: Mix 3 envelopes of Knox gelatin and 1 2/3 cups hot water to dissolve gelatin. Add 12 oz. frozen apple juice (thawed but not diluted). Pour into cookie sheet with sides and chill until set. Use cookie cutters of geometric shapes to cut out. Discuss the shapes with your children as you eat them.

#### **STANDARDS:**

**BSL:** 2.1, 2.2, 3.3, 9.9, 11.1, 11.2, 12.9, 12.5, 12.9

**NCTM:** 4d, 9a, 9b, 9d

**SCS:** A1, A2, B1, B2, E2, H2, H5

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