

# Round Is a Tortilla:

## A BOOK OF SHAPES



### RIF EXTENSION ACTIVITIES FOR EDUCATORS

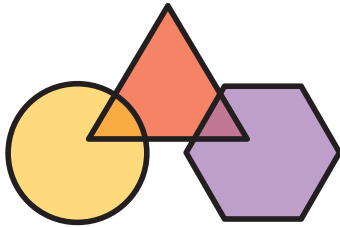
STEAM-THEMED: SCIENCE, TECHNOLOGY, ENGINEERING, ART, MATH

#### SCIENCE, MATH

##### NATURAL OR MAN-MADE?

It's time to take a shape walk! Before you begin, ask the class the following questions: What shapes do you think we'll see? Which shape do you think we'll see the most of in nature? Which shape do you think we'll see the most of in things built by people? As you walk, have students look for shapes and note whether they are man-made or natural. Stop every so often and discuss student observations.

After the walk, revisit the questions and discuss how student observations fit with what students thought they might find.



#### TECHNOLOGY

##### SHAPE GAMES

Log on to [www.pbskids.org/games/shapes](http://www.pbskids.org/games/shapes) to practice shape identification, sorting, matching, and pattern skills.

#### TECHNOLOGY, ENGINEERING

##### BUBBLE GEOMETRY

Materials: pipe cleaners, bubble solution, shallow tubs

Do bubbles always have to be spheres? Have students use pipe cleaners to build bubble wands of different shapes. Once they have created a shape with one pipe cleaner, attach another pipe cleaner for the handle. Dip the bubble wand into the bubble solution and blow away. What shape are the bubbles? Compare the bubbles different shapes make.



#### ENGINEERING,

#### SCIENCE, MATH

##### SPAGHETTI SHAPES

Materials: uncooked spaghetti noodles, mini marshmallows

Have students build a variety of shapes by connecting dry spaghetti noodles together with mini marshmallows. Since the noodles can be broken into pieces, many different types of shapes can be made. Encourage students to think beyond two-dimensional shapes and try to construct some three-dimensional designs.

#### ART

##### SHAPE UP

Materials: construction paper, white paper, glue, scissors

Cut out 10 per student of each of the following shapes: square, circle, triangle, rectangle, and octagon. Have students create a picture by gluing the 50 shapes onto white paper to make a scene or design.



#### MATH

##### ROLL AND SORT SHAPES

Materials: basket of shapes (pattern, attribute blocks), die with shapes in place of dots

Have each student roll the shape die and choose the corresponding shape from the basket. Continue until all shapes are gone. Have students sort and count the different shapes. For an added challenge, have students create a pattern using the shapes collected from the game. Can any of their shapes be combined to form another shape?

