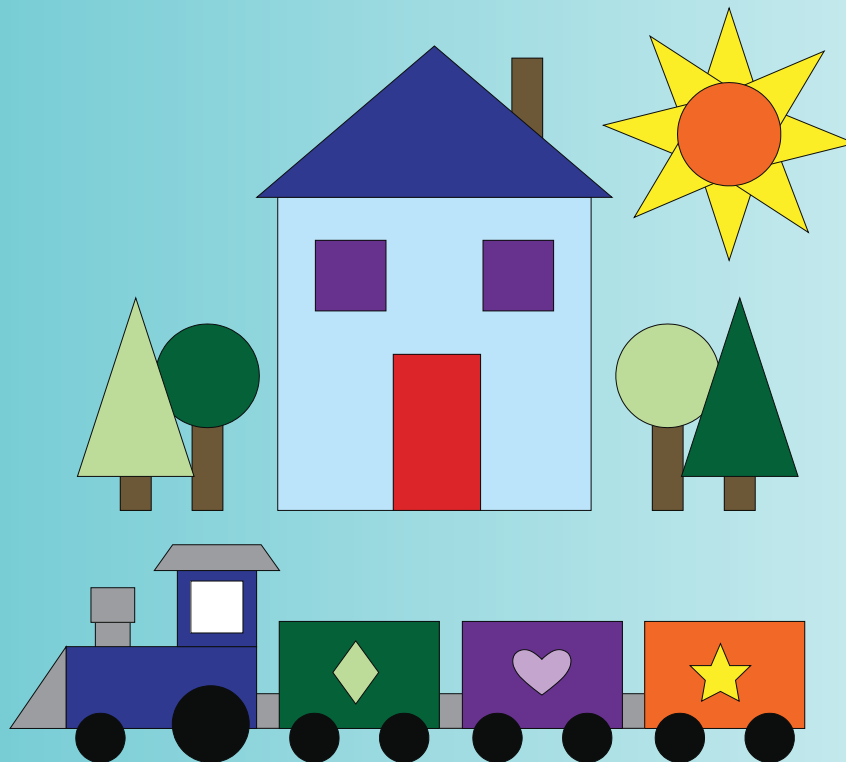


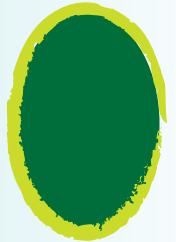
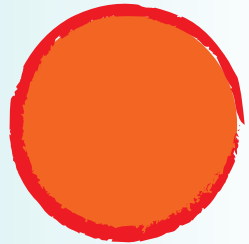
# Shapes

## House / Train

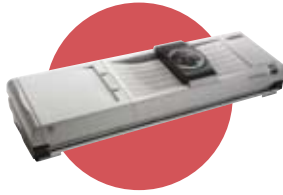
### Lesson Plan



Incorporating  
**VariQuest**<sup>™</sup>  
Visual Learning Tools

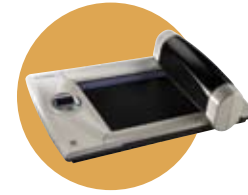


# Shapes House/Train Lesson Plan



Incorporating

VariQuest™  
Visual Learning Tools



## **Introduction:**

Understanding geometric shapes is a basic skill in mathematics learning. It offers a way for students to interpret/reflect on their physical environment, and it is important in helping students develop mathematical reasoning. Preschoolers' minds are quick to learn, so you need to re-emphasize things frequently for them to remember learned pieces of information. Have fun and let the children learn through playing, games and the creative activities that you come up with.

**Target Audience:** Early Childhood, Grades K-1

Activities can be adjusted to the age and ability of the students (use less pieces for younger children)

**Curriculum Areas:** Math-Geometry, Language and Communication

\*If used in combination with color activities, Fine Arts/Visual Arts standards will also be addressed.

## **Objectives:**

1. Students will be able to identify specific geometric shapes by name.
2. Students will be able to create an object by using a variety of geometric shapes/a pattern.
3. Students will be able to recognize other items made of specific geometric shapes.
4. Students will be able to tell the difference between two geometric shapes held side by side.



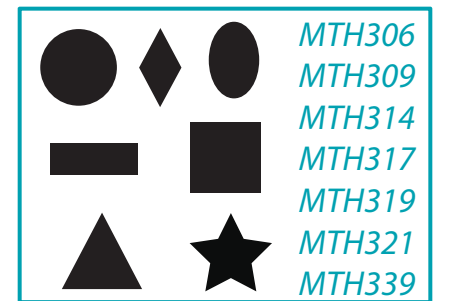
### Materials Needed:

- 1 set of the Shape House/Train collection, adhesive and paper for mounting.
- \*Laminating these objects will allow for multiple use by students/staff.
- \*If you prefer to do activities at group/circle time, put a piece of Velcro on the back of each piece so you can use them with the flannel board.



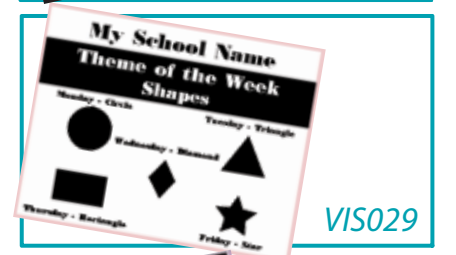
### Lesson Preparation:

1. Cut all pieces in the appropriate colors and a size that is easily manipulated by students.
2. Create a poster that shows the different shapes being used and their names. It would be helpful for students learning to read/recognize letters to print out the names of the shapes being used. Use Poster Maker Basic Layouts (LAY032 or LAY034) and list the basic shape names as well as an example of the shape (use Cutout Maker circle (MTH306), diamond (MTH309), oval (MTH314), rectangle (MTH317), square (MTH319), triangle (MTH321) and star (MTH339).
3. Cut out one set of additional shapes using the Cutout Maker (look in the Cutout Maker Math category/Shapes subcategory for the appropriate shapes you are teaching) and print the shape name on each. Use these along with Shapes 1 Border (BOR079) to decorate a bulletin board.
4. If you are going to be highlighting a shape of the day use Poster Maker Theme of the Week (VIS029) and modify with the name of the shape for the day. Create a sticker that has the same info on it Awards Maker SIG007 (modify with the shape of the day info).



### Teacher Preparation for Student Activity:

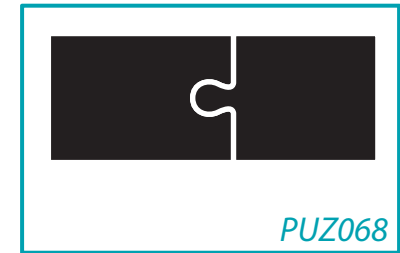
1. Create a completed house and train for students to refer to while putting the objects together.
2. Cut a set for all students and put them in a zip-lock plastic bag to keep all pieces together.
3. Gather the appropriate materials that will be used for students to adhere their objects to (construction paper, glue).



### Motivational Activities:

1. Introduce each shape by saying the name of the shape and pointing out that shape on the poster or by holding up a sample of that shape.
2. Have students find other items in the room of the same shape (for older students, they can just name things that use the same shape).
3. Make posters with basic shapes on and have students bring in items for each shape listed.
4. Create a poem about shapes.
5. Cut out a variety of shapes and let the students make different people, animals, and objects.
6. Prepare a worksheet that shows each shape and its name and have students go on a scavenger hunt at home with their family.
7. Read books about shapes: *My Very First Book of Shapes* by Eric Carle, *Shapes, Shapes, Shapes* by Tana Hoban, *A Circle Here, A Square There* by David Diehl, *The Shape of Things* by Dayle Ann Dobbs, *The Shape of Me and Other Stuff* by Dr. Seuss
8. Sing songs about shapes:
  - <http://www.supersimplesongs.com/cd2-17.html>
  - <http://www.preschooleducation.com/sshape.shtml>
  - <http://www.canteach.ca/elementary/songspoems82.html>
  - <http://www.songsforteaching.com/intellitunes/shapetrain.htm>
  - <http://www.everythingpreschool.com/themes/shapes/songs.htm>
9. If you have a sand table, hide different shaped objects and have the students dig to find the right shaped object.
10. Play "go fishing" by attaching a magnetic strip to each shape. Make a wooden fishing pole-use a wood craft dowel, tie a string to it and attach a paper clip/magnetic strip/etc. to the end of the string. Have the children catch different shapes. Have the student name the shape they caught.
11. Matching game-pick up a shape and have the students find the same shape and say the name of the shape.
12. Let the students build with blocks of the basic shapes you are teaching.
13. Bean bag toss-put different shapes on the floor and ask the student to throw/land their bean bag on a certain shape. Have them name the shape they land on.
14. Give each student a shape and have them stand up when their shape is called (or draw a shape out of a bag to make it a little more fun).





### Assessment:

An informal observation by the teacher would be appropriate for early learners.

1. Have the student identify the basic shape by pointing to the shape when asked.
2. Have the student name other items that use the basic shape when asked.
3. Have the student differentiate between two basic shapes held up side by side.

### Websites for color ideas/activities:

- <http://www.enchantedlearning.com/books/shapes/>
- <http://www.internet4classrooms.com/prek.htm>
- <http://www.storyplace.org/preschool/activities/shapesonact.asp>
- <http://www.dltk-teach.com/shapes/index.htm>
- <http://www.mrkent.com/preschool/index.asp>
- <http://akidsheart.com/threer/lvl1/shapes.htm>

### Enrichment Activity:

1. Make shape flashcards using Cutout Maker 2 piece puzzle (PUZ068) and put the shape on one piece and the name of the shape on the other piece.

### VariQuest content used in this lesson:

#### AWARDS MAKER:

- SIG007/Phone List

#### CUTOUT MAKER:

- CRF153/Shape House/Train
- BOR079/Shapes 1 Border
- MTH306/Circle
- MTH309/Diamond
- MTH314/Oval
- MTH317/Rectangle
- MTH321/Triangle
- MTH339/Star
- PUZ068/2 Piece Puzzle

#### POSTER MAKER:

- VIS029/Theme of the Week
- LAY032/Basic Layout
- LAY034/Basic Layout



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