

Shoes for S.A.M.

Purpose:

The purposes of this lesson are to continue to explore science and math (S.A.M.) using our shoes and to investigate the many attributes of our shoes and how our shoes can be used to perform a seemingly endless number of science and math explorations.

Materials:

The materials contained in the lesson bag to teach this lesson are: a paper plate on which materials will be organized, and a 9" X 12" piece of paper. In addition, each child will use one of her/his own shoes.

Vocabulary:

Vocabulary to be reviewed and/or developed: *attribute, observe, predict, classify, sort, set, smallest, largest, shortest, tallest, more than, less than, pattern, and critical thinking.*

Classroom Procedures:

Students will open lesson bags, take out the science work plate, and put the objects on the science work plate.

1. Each child will contribute her/his own shoe to the class collection of shoes.
2. The children will sit in a circle surrounding the collection of shoes.
3. The class will form various sets using different *attributes* like color, style, materials, right/left, new/worn, etc.
4. The teacher will encourage students to look for the less than obvious attributes when establishing sets.

What to do at home:

1. Repeat the lesson (as outlined above) with the child, allowing the child to "teach" you the lesson.
2. Review concepts presented and vocabulary words for mastery. Encourage your child to describe attributes of objects in the home.

Homework to be returned:

1. Complete the attached worksheet as directed at the top of the page, filling in the Venn diagram.
2. If there is interest, try making a Venn diagram comparing and contrasting two things around your home, like the stove and refrigerator.

Please do not return the "lesson bag." Only the homework sheet needs to be returned.

THANKS very much for your interest and cooperation!



Child's Name: _____ Parent Signature: _____

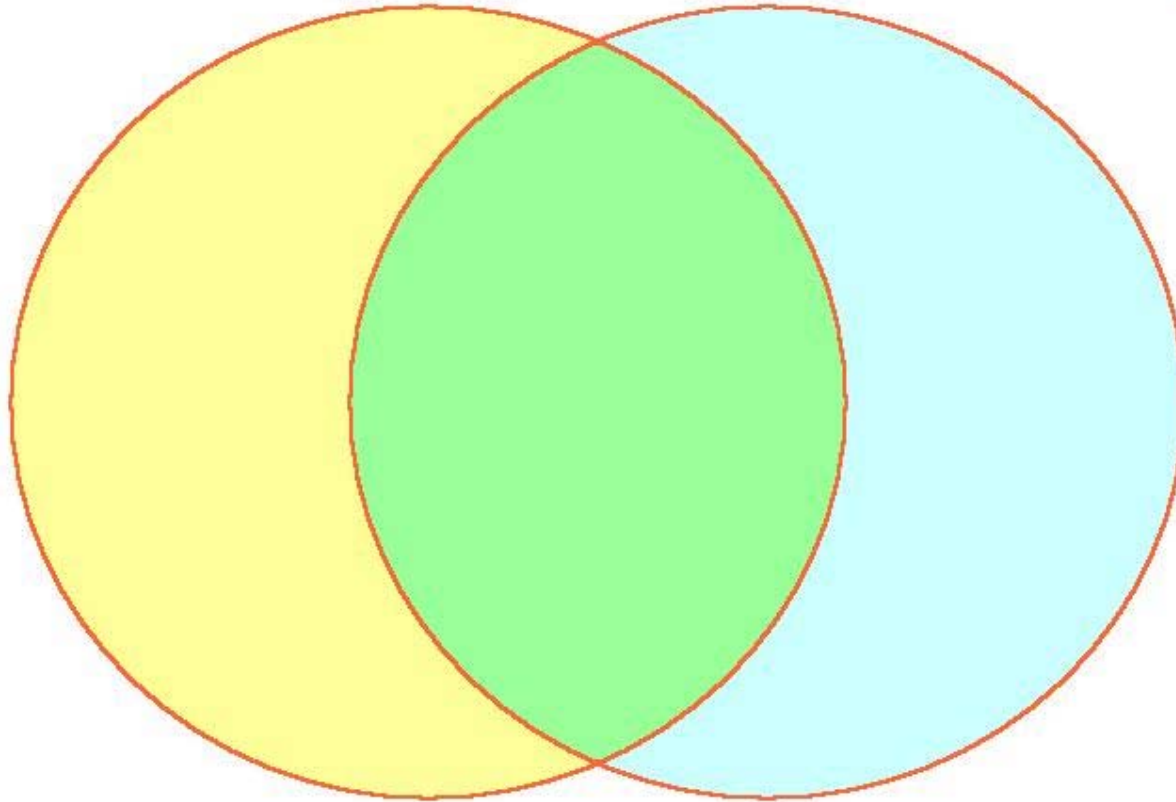
Please compare and contrast your shoe to one of your parent's shoes. Use the skills you have learned in science class to record the comparison/contrast on the Venn diagram drawn below. This page will become part of your science journal. Thank you for working carefully and spelling your words correctly! Have fun!



YOUR SHOE

BOTH

PARENT'S SHOE



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