

Lesson Plan #12—Math**Title: Size vs. Volume****Designed by: Michelle Johanson—SIU-EDC****Introduction:**

This lesson provides an opportunity to demonstrate how the size and shape of a container is relevant to the volume of liquid it can contain.

Objectives:

In this lesson, students will:

- understand that objects which appear to be the same size can hold different volumes

Session Time:

45 minutes

Materials:

- clear glass or plastic containers in various sizes and shapes

Methods:

lecture, demonstration, discussion

Procedures:

- 1) Ask students which jar they think will hold the most liquid
- 2) Ask students which jar they think will hold the least liquid
- 3) Ask students which jars they think will hold equal amounts of water
- 4) Demonstrate and explain why some that appear to be larger may not hold as much as others that appear to be smaller.

Conclusion:

Students better understand the concept of size vs. volume.

NOTE: This lesson was developed during the **New Teacher Orientation Workshop** on August 10, 2009 at John A. Logan College.