How to Make a Thermometer

Summary

Students will make a thermometer showing that liquids when heated expand.

Main Core Tie

SEEd - Grade 6

Strand 6.2: ENERGY AFFECTS MATTER Standard 6.2.3

Time Frame

1 class periods of 45 minutes each

Group Size

Large Groups

Materials

strong plastic bottle with a scew cap a thin plastic straw modeling clay water colored with poster paint.

- worksheet

Student Prior Knowledge

Particles move. When heated particles move even more.

Instructional Procedures

Drill a hole in plastic bottle caps. You can have the kids collect and bring the bottles.

Put the straw into the hole and seal with the clay.

Fill the Bottle 1/2 full of colored water. Make the water come about 3/4 the way up the straw then close the lid tightly.

Let sit for 5 minutes.

Put the Thermometer into a bowl of ice water and see what happens to the water level.

Put it into warm water.

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

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