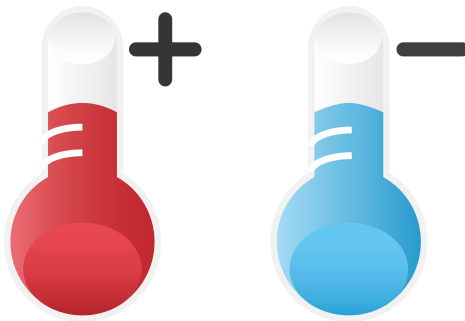


Make a Thermometer

Need:

Rubbing alcohol
Water
Glass test tube or thin bottle
Clear straw
Modeling clay
Red food colouring
Cooking oil
Measuring cup



How to:

Measure how much water it takes to fill your glass bottle
Pour out half the water
Divide the measurement of water by two
This is how much rubbing alcohol you will need
Add it into your bottle
Add in your food dye
Place your straw in the bottle
Wrap your modeling clay around the straw so that it will cover the end of the test tube / bottle opening
Make sure your modeling clay is airtight otherwise your liquid will evaporate giving a false reading
Add in a bit more water down the straw if needed to get the level up to the bottle top
Leave for 15 min to let it adjust to room temperature
Add in a drop or two of cooking oil down the straw this will act as a liquid lid for your thermometer liquid
Move the thermometer to various locations, sunny warm to cold and dark
Each location leave it for a few minutes to adjust then notice where the liquid level is in the straw

