

Tricky Temperatures

Science Experiment



Method

1. Fill the first container with the cold water and ice cubes.
2. Fill the second container with the tepid water.
3. Fill the third container with hand-hot water. (Make sure that the temperature of this water is hot, but not uncomfortable for the children to place their hand in.)
4. Place the container with the tepid water in the middle, the container of cold water on one side and the container of hot water on the other.
5. Place one hand in the cold water, one hand in the hot water and then leave submerged for a minute or two.
6. After a minute or two, take your hands out of the hot and cold water and place both hands in the container full of tepid water.
7. You should find that although both hands are now in the same temperature of water, they will feel as if they are in water of different temperatures.
8. The hand that has been in the cold water will now feel as if it has been placed in hot water, whilst the hand that has been in the hot water will feel that this tepid water is quite cool.

You will need:

3 containers (each one being large enough to submerge your hand in)

Hot water (hand-hot)

Cold water (with ice cubes in if possible)

Tepid water