

Heat Conduction

Science Trick

Can heat transfer from one item to another? This fun science "trick" is interesting and entertaining and uses materials you may already have around your home.

Remember, it's always a good idea to practice at home first!

Suggested Materials:

- ❖ 3 x coins of different sizes and / or shapes
- ❖ 1 x small plastic container with lid

Suggested Instructions:



Step 1: At home, take 3 different coins and place them into your container. Ask an adult to choose one of the coins and show the "audience" which coin they've selected. (Important: before they make their selection, you must turn your back so you don't see the coin they choose).



Step 2: Ask the adult to firmly squeeze the coin in their hand for about 1 minute while your back is still turned.



Step 3: After a minute has passed ask the adult to return the coin to the container while you are still not watching.



Step 4: Once the coin has been returned to the container, quickly turn around and feel all 3 coins. The coin which feels slightly warm is the coin the adult was holding. (Important: you must feel the coins quickly otherwise the coin will lose its heat).



Step 5: Hold the correct coin up to your "audience" and watch their jaws drop!



Step 6: Practice this science trick a few times at home before trying it at school.



Step 7: At school, repeat Step 1 to Step 5. Ask your teacher to select and hold the coin because an adult's hand is larger than a child's hand and it will make the coin warmer and easier to detect.