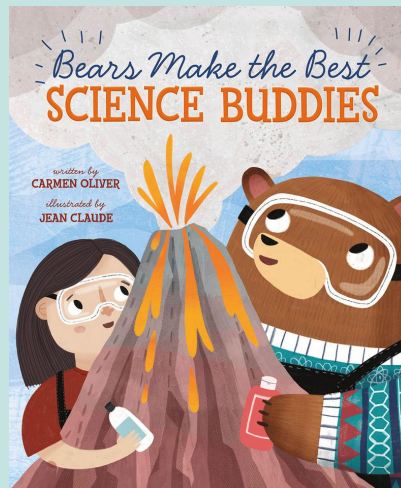


The Potato Clock Experiment!

What you need:

- 2 potatoes (medium to large)
- Insulated copper wires
- 2 sources of copper (pennies)
- 2 Sources of zinc (galvanized nails)
- A digital clock with its wires exposed
- A pair of scissors



What you do:

Step 1: Make a prediction (Hypothesis)? Will your digital clock turn on? Will you be able to create electricity?

Step 2: Take one penny and attach it to one end of your copper wire. Attach one nail to the other side of the wire. Make sure the copper wire is touching one nail and penny directly and not the insulation on the wire. You may need to cut back the insulation on the wire using scissors.

Step 3: Take your second nail and connect it to the negative (black or blue) clock wire. Then, take your second penny and connect it to the positive (red) clock wire.

Step 4: Take your wire that the nail and penny are attached to. Stick the nail into the left potato and the penny into the right potato.

Step 5: Take the nail that is connected to the clock and stick it in the right potato about an inch away from the penny.

Step 6: Take the penny that is connected to the clock and stick it into the left potato about an inch from the nail. Your clock should turn on! If it doesn't, double check all your wires.