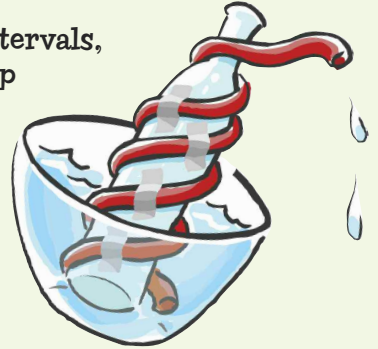


Build Sydney & Simon's water pump!

What you'll need

- A long, empty plastic bottle (a soda bottle works well)
- A length of tubing about a foot longer than the bottle
- Duct tape
- A large bowl of water

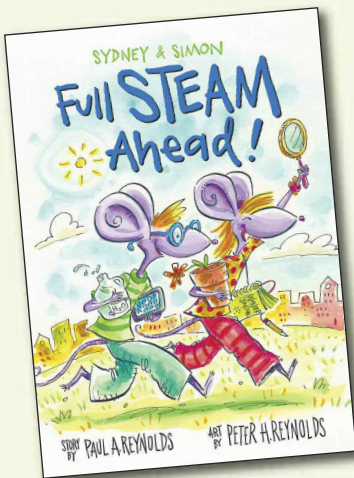
1. Tape one end of the tubing at bottom of the bottle, leaving about a half inch hanging out over the end
2. Wrap the tubing around the bottle at regular intervals, leaving the excess tube hanging out over the top
3. Secure the tube with tape
4. Fill your bowl with water
5. Place the bottom of the bottle wrapped with tubing in the bowl of water
6. Begin turning the bottle
7. Soon, water will drip out the top of the tube



Water usually flows downward because of gravity. But as more and more water flows into the tube, it pushes upward, against gravity, and out the top of the tube. Now you have a water pump, just like Sydney and Simon's!

Sydney and Simon are mice on a mission! They're gearing up for the neighborhood flower show, but their blossoms are wilting in a heat wave. Short, engaging chapters follow the twins as they use Science, Technology, Engineering, Art, and Math to learn about humidity, evaporation, rain, and how water gets to one's home and community.

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