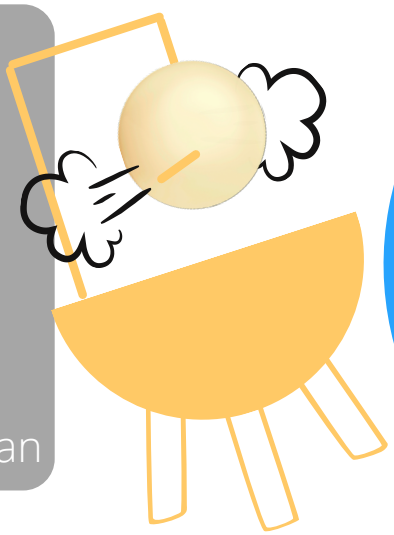
Build a Soda Can Hero's Steam Engine

Hero was a mathematician and engineer who first experimented with steam. Build a model of his engine here!

You Will Need:

- Unopened soda can
- Thin needle or safety pin
- Water (from the tap)
- String
- Candle
- Somewhere to hang your can



Instructions:

1. ****WARNING**** Adult supervision is required for this activity.
2. With your needle or pin, poke a very small hole in the middle of one side of your soda can. Be careful, it will spray! Drain the liquid into another cup to drink later. It's ok if not all of it comes out.
3. Hold the hole under the tap and add water to your can. You don't need much, just a few millilitres.
4. Place the needle back in the hole, then pull the needle so that it lays perpendicular to the can. You are making the hole slightly angled here so that the steam comes out at an angle.
5. Do the same thing on the opposite side of the can. Make sure the two holes face the same direction so the can spins in a circle when the steam comes out.
6. Slide a piece of string under the unopened can tab at the top and tie it up so that it hangs above a table with enough space for a candle to just fit underneath. It should be able to swing freely.
7. Light the candle and place it under the can. Give it a minute or so, and the water should turn to steam and force itself out the holes on the sides of the can, turning our can in a circle.

Experiment with the amount of water in the can and how close to the candle you hang the can. Video and send to us!