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SAVING DRINKING WATER
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Back at home, Wasteful Wally pretends to be an opera singer under the shower, while Conscious Charlie is left waiting for his turn to wash on the other side of the door. When he finally finishes, Wasteful Wally opens the door, and the bathroom is filled with water! Conscious Charlie is angered by all this wasted water, but Wasteful Wally tells him it isn't his fault: the shower head is uncontrollable! Conscious Charlie is discouraged and unsure what to do ...



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THIS IS A JOB FOR THE FANTASTIK'EAU CREW!
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THE MISSION

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MISSION 02 : SAVING DRINKING WATER



YOUR MISSION

Test the operation of a water-saving device for a shower head.



DURATION

45 MINUTES

MATERIALS FOR EACH TEAM OF 2-3 STUDENTS

- 1 pushpin
- 1 small nail
- 1 large nail
- 2 measuring cups
- 2 glasses made of clear, flexible plastic that each hold 250 ml of liquid
- 1 paper or aluminum plate with a hole having a 6 cm diameter. This holed plate will be used to support one of the glasses.
- Pencils and scissors
- Whatever you can find in the recycling bin to hold the bottle upside down!
- Water
- A bin to hold the water
- A time measuring device (clock, watch, stopwatch)



WARNINGS

It is recommended to have an adult use a drill, a hole puncher or another tool to make holes.

Make sure an adult is there to make holes in the glasses and manipulate the aluminum plate.



CONCLUSIONS

Water will encounter more resistance when it must flow through several small holes instead of one larger hole. That's how water-saving devices help you save more water. And the more holes you make, the quicker the water comes out! But if your holes are too small, the water simply won't come out!

Water-saving devices are super useful to minimize water waste. They give you the sensation of a strong water flow, even if a smaller amount of water comes out of your faucet or shower head.

In the end, the best way to save water is to keep your showers as short as possible, like Conscious Charlie, whose shower only lasted 5 minutes!

