

Little Explorers

Baby Steps in Grownup Science

Can you solve
our 6 challenges?

TEACHER'S GUIDE
PRESCHOOL



MONTREAL
SCIENCE
CENTRE



1 Make a bubble that's bigger than you.

Soap lets you make bubbles. The soap traps the water and keeps it from falling.

2 This camera is special: it shows your body's heat. The blue parts are cold, and the yellow parts are hot. What part of your body is the coldest?

Your fingers are colder because less blood flows to them. Some animals, like snakes, can sense **heat** from a distance, just like this camera.

3 Try to make the wheels turn faster by putting the little dams into the ponds.

When the wheels turn, they make electricity that turns on the red lights on the control panel. In Quebec, that's how we make electricity for our homes. We use the water in our rivers and much bigger wheels, called **turbines**.

4 Find the heaviest cube. Is it the biggest?

The biggest object is not always the **heaviest**. That's because some materials are lighter, like wood, and others are more compact, like metal.

5 Would you ever sit on nails?

The more nails there are, the less prickly the chair feels. Why? Because the more nails there are, the more your weight is **distributed** or divided among them (and the less it hurts).

6 Make a circle around the tornado with your friends. Put your hands over the holes in the poles. What do you feel?

A **tornado** is formed when wind meets air that is rising up to the sky. By closing the holes in the poles, we cut the wind and the tornado disappears.