

# Discover Canada

## Boredom Busters

# Hockey Science

### What you will need:

- 1 baking sheet or plastic pan or aluminum foil container \*
  - Water
  - Small items (rock, crayon, bottle cap, coin ...)
  - Fork
- \* Use a container with sides that are at least 5cm high so the water will not spill when you put it in the freezer.



### Directions:

- 1. Prepare ice:** Place your pan in the freezer making sure it is level. Then carefully pour water into your pan. (If it's cold enough outside, you can freeze your pan outside!) Freeze for a few hours or overnight.
- 2. Predict:** Fill in the "Prediction" column in the chart by asking yourself if you think each item "will" or "will not" slide. Mark an "X" in the column you chose for each item.
- 3. Test your hypothesis:** Remove your pan from the freezer and try sliding your first item down the length. Record your results in the graph.

Item	Prediction		Results	
	Slide	Not slide	Slide	Not slide
Rock				
Crayon				
Bottle cap				
Coin				
Felt piece				

**Conclusion:** Why do you think some items slid and others did not?

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**Verify your conclusion:** To find out about the science behind this experiment, click on the "Science Experiment Answer" link on the website!