

# The Iceberg Experiment

## Environment & Outdoors



EXPLORE



QUICK



### What You Will Discover

Find out how icebergs interact with water, earth and sun, and how this might affect our oceans and climate.

### The Adventure

Make your own iceberg by freezing water in an ice cube tray (for mini icebergs) or a larger container. Place them in a container of water. How do they float? Try different ways of melting your iceberg (covering it with a towel, leaving it in the sun, putting it in the fridge, mixing sand into the ice, etc). What makes it melt the fastest? What happens to the water in the container when the iceberg melts?



**NSERC  
CRSNG**



It starts with Scouts.

## Plan

- What materials will you use to make your iceberg?  
Where will you freeze it?
- How will you mark the water level of your container to see what happens?
- How will you melt your iceberg?

## Do

**#ScoutsDoStuff:** Share photos of your iceberg experiment with another Group or Section.

## Review

- What role do icebergs play in our environment?
- How can melting icebergs affect our planet?
- What can we do to help stop icebergs from melting?

## Safety Note

Be careful to clean up any spilled water and avoid a slipping hazard.

## Try this

### Keep it Simple

Explore the impact of Arctic ice sheets in regulating water levels. Fill a container partway with water, then draw a line at the water level. Freeze the container; is the top of the ice higher or lower than the water line? Why? How is this connected to global warming resulting in higher sea levels?

### Take it Further

Explore dirty icebergs and see if they might warm the Earth at an even faster rate. How might this affect climate change? What can you do to help minimize the negative effects?

