



BUT WHY

A Learning Guide

Kindergarten to Grade 3

But Why is a podcast led by you, kids! It's a big interesting world out there. Kids all over the world send us questions, and we find the answers. We've created these learning guides to be used in a classroom setting or at home. Listen to each episode and use this guide to deepen your understanding of what you've heard.

Find more episodes at butwhykids.org.



Ice, ice, baby: Why is ice slippery?

BIG QUESTION: How does water make ice? - Marina, 4 Why is ice cold? - Rowan, 6

How does water become ice?

How does the ice feel? What do you notice as the ice changes temperature?

Draw or write in the boxes.



Try it: Ice Fishing Experiment

Small paper cups, bowl or an ice cube tray

Glass of water

String (yarn or kite sting works great)

Small stick

Salt

1. Fill the cup or tray up with water and place it in the freezer.
2. When the water is frozen, remove the ice from the cup or tray.
3. Put the ice in the glass or bowl of water. The cube will bob up and down in the water and then float on the top.
4. Place one end of the string from the fishing pole on top of the ice cube and sprinkle salt on the ice where the string is touching. Watch as the water melts slightly and refreezes.

After about 10 seconds, carefully lift the ice cube out of the water with the fishing pole. You caught a fish (ice)!

What other questions do you have about this topic? How will you find the answer?

Ask an expert. Who?

Find a safe source. Where?

What will you ask?
