



Innovation Station Online!

Fishing For Ice

Maybe you've gone fishing for...fish but can you catch an ice cube?

#childrensmuseums #DailyDoseofPlay #cdmpowerofplay
#blono

Materials

- Ice Cubes
- Salt
- Water
- String

Instructions

1



Fill a metal can $\frac{3}{4}$ of the way with water and add a few ice cubes. (The ice has to be cubed for this to work!). Try to catch an ice cube with your string. Can you do it?

It probably seems impossible...but check out the next step!

2



Place your string on top of an ice cube and sprinkle on a little salt. Now WAIT. You need to wait 30 seconds to a minute. Fear not your patience will be rewarded!

In winter we put salt on our sidewalks and streets to make it safer to travel. Salt lowers ice's melting point and speeds up the melting process through a chemical reaction.

3



Now hold both sides of your string and pull up. Were you able to catch an ice cube? If not place your string back on the ice and wait-this time even longer!

Even though the salt helps ice melt faster everything around the ice is still freezing! Since this is the case the ice refreezes but this time it freezes the string onto the ice!

Want to have even more fun? Try different amounts or types of salt to see how this changes things. Or experiment and find the EXACT amount of time that allows for the string to freeze to the ice.