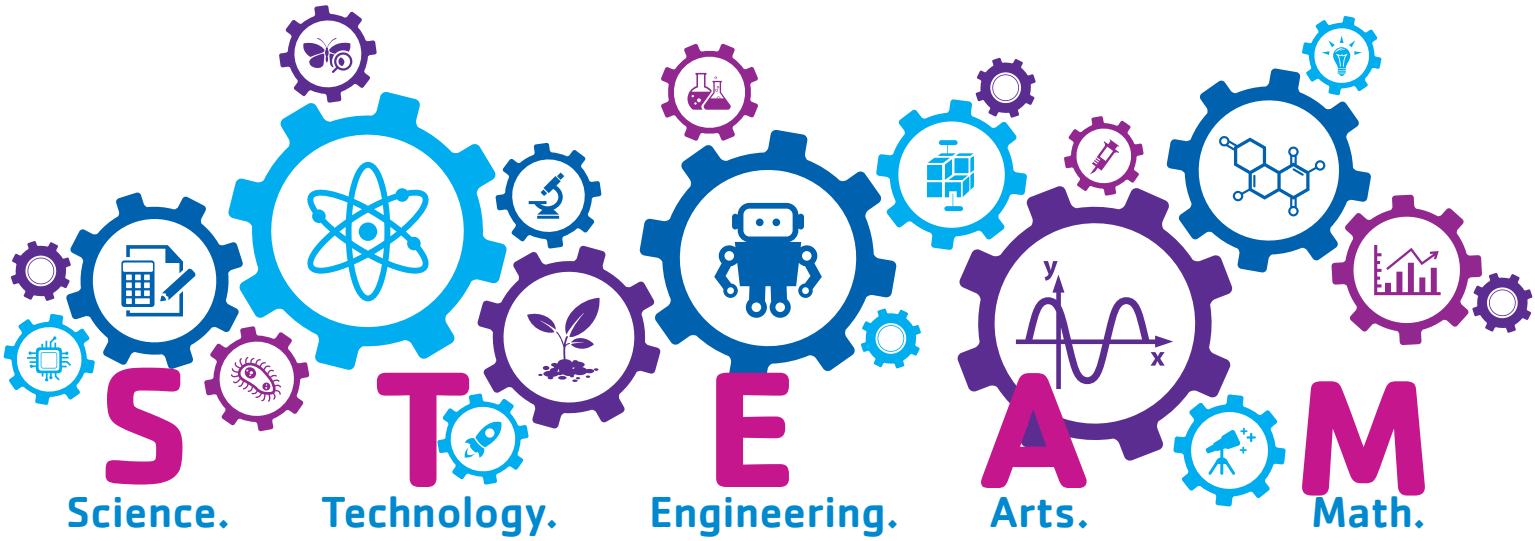

GATEWAY REGION YMCA
STICKY ICE

Liquids have specific freezing temperatures. Water is 32 F which is why you only see snow at temperatures close to this. However, we can lower the freezing point with salt. Using this, we are able to create a cool trick that involves heat transfer.

Supply List

- Glass/Jar of ice
- Water
- String
- Salt

Instructions

1. Place the string on the floating ice – you can't pick it up
2. Use the salt to lower the melting point of ice, keeping the string atop the ice
3. Let's wait 60 s econds to see what happens
4. In order to melt, the ice must absorb heat from the water
5. This, in turn, lowers the temperature of water sitting near the ice and salt causing it to freeze
6. Try lifting the string
7. You've caught a piece of ice!

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