



# Science on Ice:

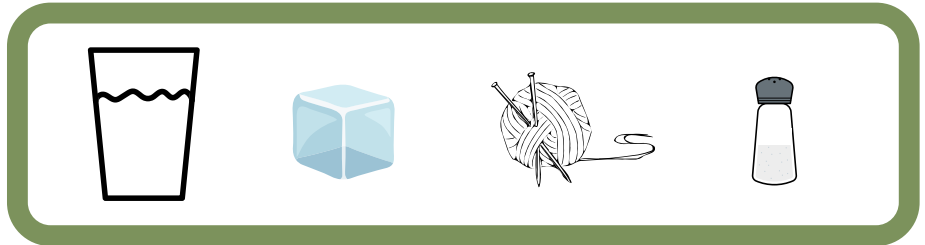
## Moving Water with String



This week we are going to explore two different phases of water - Liquid Water and Solid Water - or Ice! Our experiment will help us to look more closely at some cool characteristics of ice.

For our experiment you will need:

- A Cup or Glass,
- Ice or Ice Cubes,
- Yarn or String,
- Salt.



### PART 1 -

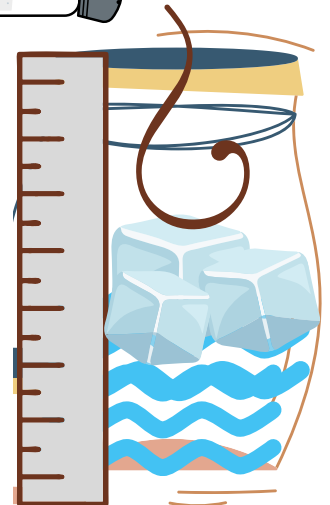
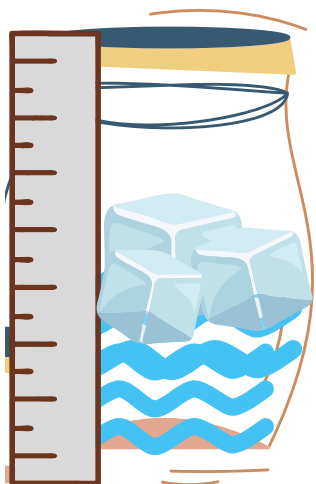
- 1 - Put some ice into a glass:
- 2 - Take a moment to **OBSERVE**. What do you notice about the ice? Are there any bubbles in it, or different colors?
- 3 - Add some liquid water to your glass.
- 4 - What does the ice do when you add water? Why do you think this happens?

### PART 3 -

- 1- Leave the end of your string resting on the ice in your glass.
- 2 - Sprinkle some salt on top.
- 3 - Wait 1 minute.
- 4- Do you notice any changes in the top of the ice after you added salt?
- 4 - Now try to pick up the ice with your string. Did it work? Why do you think so?

### PART 2 -

- 1 - Try to pick up a piece of ice from your glass with your string/yarn (no touching the ice with your hands or tying knots).
- 2 - Can you do it? Why or why not?



**BONUS -** Why do we put salt on the road/sidewalks in the wintertime in the Northeast USA? How is this similar to what you just observed in your experiment?