

# Grade 3

## Week 11

### **LIFT ICE WITH A STRING!**

#### **Materials:**

bowl of water  
ice cube  
a piece of string  
salt

#### **Procedure:**

1. Float the ice in the bowl of water.
2. Lay the string carefully on top of the ice cube.
3. Sprinkle a little salt around the string
4. Wait about 2 minutes.
5. See if you can lift the ice with the string!

#### **How it Works:**

When you sprinkle salt onto the ice cube, it makes the ice around the string melt. This is because salt water freezes at a lower temperature than plain water.

#### **Questions:**

1. When do we use salt to make roads safer?
  2. Why do you think lakes freeze and not the ocean?
  3. What else could you use to test this experiment besides a piece of string.
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