

# Be Storm Smart

## A10 DIY – Making Ice - hailstones

Students to work in pairs and follow the below instructions

### Making your own hailstones

Making hailstone props in various sizes to demonstrate the different sizes that can be produced in a storm.

**Video:** <https://www.youtube.com/watch?v=gKQGw-HT36Q>

### What you need

One cup - crushed ice  
 One cup of Water  
 250ml – beaker  
 1 packet of Salt  
 Stirring rod  
 Clean test tube



### Method

1. set up all item on a sturdy table.
2. Pour 100mls of water into beaker
3. Add ice to the water until it reaches 200mls
4. Add lots of salt to the beaker – salt is still visual at the bottom of the beaker.  
(condensation forms)
5. Pour clean - cold water into the test tube
6. Place the test tube in the middle of the beaker, leaning to the side of beaker.
7. Every minute – Stir.... Rest....Stir... Rest. (Repeat) Ice will appear on side of beaker.
8. Ice forms on side of beaker – dew forms too.
9. The water will now be changing from liquid to ice
10. Stir again, take test tube out of beaker.
11. Place a small piece of ice to the test tube.
12. The test tube water is frozen now, tip upside down (below zero degrees.)  
- the temperature of water has changed.

This is an example of what can happen with temperature in the atmosphere – forming ice (hailstones)