

## @ HOME SCIENCE DISCOVERY MISSIONS – Recognizing Sea Breezes

### What Do We Need?

- Fish tank or a glass box
- Two coffee cans (aluminium)
- Some water
- Food colouring or liquid dye

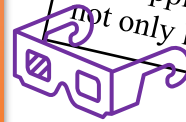


### Protocol

1. Take a small fish tank, fill it with water.
2. Take the two coffee cans. Fill one with hot water, the other with ice.
3. Place the fish tank on the coffee cans. The fish tank is now heated on one side, cooled on the other.
4. Pour some liquid dye in the tank.

### Did you know?

The same fashion of movement created by differences in temperature (typically of the same substance) also applies to gases, not only liquids



### Learn more!

#### Video here:

[https://www.youtube.com/watch?v=dN2SB2Jg77o&fbclid=IwAR2oH4QY71HcaUnd\\_dmLTXdod0o9JiD9vE3bsJi2c4aoCEDjw7P\\_xD4Cv-I](https://www.youtube.com/watch?v=dN2SB2Jg77o&fbclid=IwAR2oH4QY71HcaUnd_dmLTXdod0o9JiD9vE3bsJi2c4aoCEDjw7P_xD4Cv-I)

### YOUR MISSION REPORT

- Measure the different water temperature- is there any difference?
- Where do you see science in this mission?
- Which type of wind is sea breeze?
- What is the difference between the land breeze and sea breeze?

### Student feedback - How did you like this mission?

- not at all   
  not much   
  a bit   
  liked it   
  liked it a lot   
  liked it best

### Family feedback - How did you like this mission?

- not at all   
  not much   
  a bit   
  liked it   
  liked it a lot   
  liked it best

Did you use the 'Learn more!' resources?  Yes  No

What was good/bad about this mission?