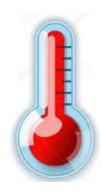




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Today Science Club are going to be......

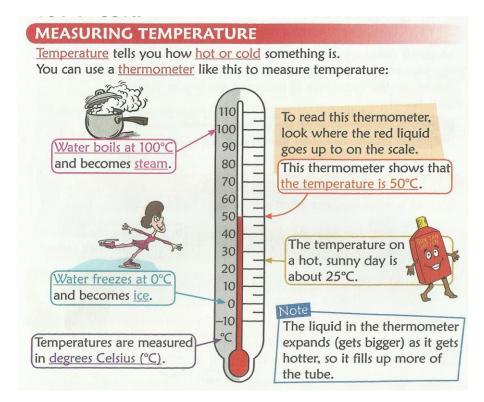


## **TEMPERATURE!**

**Temperature** tells you **HOT** or **COLD** something is. You can use a **thermometer** like this to measure temperature.

Hot things cool down until they are the same temperature as their surroundings.

Similarly, cold things warm up until they are the same temperature as their surroundings.



## **Experiments:**

- 1. A thermometer measures temperatures, try and use it, doe different materials vary?
- 2. A thermal camera shows an image of how warm and cold objects are (be careful, it's expensive!)
- 3. A hand boiler uses the warmth of your hand to heat up the air/liquid within a restricted area.
- 4. **Liquid nitrogen** is odourless, colourless, and tasteless, and boils at −196 °C. Our bodies contain around 3% Nitrogen In liquid form it is very dense, 1 L of liquid = 694 L of gas!

Any questions please email: <u>HassellScienceClub@gmail.com</u>

## **Temperature Quiz**

1.	What do we commonly measure temperature in? Celsius			
2.	When you heat something up, it evaporates or condenses?			
3.	. Can you pour a solid? Yes / No			
4.	4. Match these items with their temperature:			
	a. Bath water	-2 C		
	b. Ice lolly	38 C		
	c. Glass of cold milk	5 C		
5.	. How could you keep a drink warm for longer?			
6.	Decide whether these are solids, liquid	ds or gases.		
	a. Vinegar			
	b. Chalk			
	c. Flour			
	d. Helium inside a balloon			
7.	7. Match these changes of state with their names			
	a. Water turns to water vapour	Melting		
	b. Ice turns to water	Freezing		
	c. Water vapour turns to water	Evaporation		