

3.2 Investigating Heat of the sun.

Some questions to Investigate:

Where is the sun hottest?

Why do some things get hotter than others in the sun?

Equipment Needed

A digital thermometer or temperature sensor and data logger

Note book with data table

A sunny day to measure temperature

Method

Take your thermometer and notebook with the table below outside

Object	In the sun or shade?	What it's made of.	Colour	Temperature

- In groups of 2 or 3 you have to measure and record temperatures of various objects by touching them with your thermometer.
- You need to wait for at least 10 seconds for the thermometer to give an accurate reading.
- Record the objects name, temperature where it is, the type of material and colour if possible.
- Find at least 5 objects to measure.

Presentation

- Present your results in a simple column graph (objects on bottom axis and temperature along the side.)

Conclusions

1. Compare your results to others in the class;
 - Where was the hottest place?
 - Where was the coolest place?
2. What materials get hottest?
3. What colours get hottest?
4. Which of the following do you think made things hotter? Tick the box

Place in the sun.	
Material its made from?	
Its colour	

