



# SCIENCE



## OBSERVATION REFERENCE POSTER

GOOD OBSERVATIONS ARE CAREFUL, CLEAR AND REPEATABLE.

### 1. LOOK



- Use your senses
- Be curious
- Look closely
- Look from different angles

### 2. THINK



- What do you notice?
- What patterns do you see?
- What does it remind you of?

### 3. RECORD



- Write clearly
- Use labelled diagrams
- Take photos
- Use tables

### USE YOUR SENSES



#### SEE

colour  
size  
shape  
texture  
movement  
amount



#### HEAR

loud/quiet  
high/low  
fast/slow  
vibrations  
sounds



#### SMELL

strong/weak  
pleasant/unpleasant  
odour



#### TASTE

sweet  
sour  
salty  
bitter  
smooth  
spicy



#### TOUCH

hot/cold  
rough/smooth  
hard/soft  
wet/dry  
light/heavy



#### MOVEMENT

speed  
direction  
changes  
vibrations

### FAIR TEST CHECKLIST

Change ONE variable



Keep other variables the same



Use the same equipment



Use the same method



Measure carefully



Repeat for reliability



Record results



### OBSERVATION RECORDING TOOLS



**WORDS** – Use clear, descriptive words.  
*e.g. rough, small, bright, slow, cloudy*



**DIAGRAMS** – Draw what you see.  
Label important parts.



**PHOTOS** – Capture details.  
Add labels and dates.



**TABLES** – Organise your data.  
Use units.



**GRAPHS** – Show patterns and relationships.

### THE SCIENTIFIC ENQUIRY PROCESS

1

#### QUESTION



What do I want to find out?

2

#### PREDICT



What do I think will happen?

3

#### PLAN



How will I test it?

4

#### INVESTIGATE



Do the test.  
Collect data.

5

#### OBSERVE



Record what you see.

6

#### ANALYSE



Look for patterns.  
What does it mean?

7

#### CONCLUDE



Answer the question.  
Share results.