



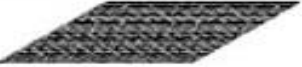




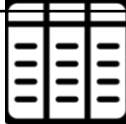




# Year 7 How science works

## 1. Lab apparatus keywords

Apparatus	Name
	<b>Test tube</b>
	<b>Bunsen burner</b>
	<b>Beaker</b>
	<b>Conical flask</b>
	<b>Gauze</b>
	<b>Measuring cylinder</b>
	<b>Tripod</b>
	<b>Filter Funnel</b>
	<b>Evaporating basin</b>

## 2. Practical Keywords

<b>Variable</b>	Can be changed or measured.
<b>Independent variable</b>	The variable you change.
<b>Dependent variable</b>	The variable you measure.
<b>Control variable</b>	The variable(s) you keep the same.
<b>Data</b>	Numbers you collect from an experiment and record.
<b>Continuous data</b>	Data that can take any value.
<b>Catagoric data</b>	Data that can be divided into groups.
<b>Table</b>	To record Results in. 
<b>Graph</b>	To plot my Results on. 
<b>Axis</b>	Y axis  X axis
<b>Labels</b>	Titles given to the 'x' and 'y' axis.

## 3. Measurement

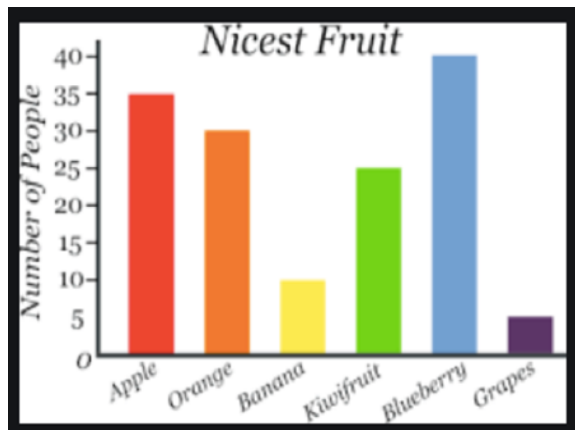
<b>Length</b>	Metre (m)
<b>Mass</b>	Kilograms (kg)
<b>Time</b>	Second (s)
<b>Temperature</b>	Degrees centigrade (°C)
<b>Volume</b>	Cubic metres (m <sup>3</sup> ) Cubic centimetres (cm <sup>3</sup> )
<b>Area</b>	Square metres (m <sup>2</sup> )
<b>Speed</b>	Metres per second (m/s)

## 4. Risk assessment

<b>Risk assessment</b>	H&S assessment before a practical proceeds	
<b>Hazard</b>	Something that can cause you harm	
<b>Risk</b>	The likelihood of you being harmed	
<b>Control</b>	What you will do to keep safe.	
Hazard	Risk	Control
Chemicals	Eyes	Goggles
Bunsen	Burns	With care

### 5. Bar chart tables and graphs

Category	Data collection
Type of fruit	Number of people
Apple	35
Orange	30
Banana	10
Kiwi	25
Blueberry	40
Grapes	5



Catagoric data use bar charts

### 6. Line graph tables and graphs

force (N)	extension (mm)
0	0
2	31
4	60
6	90
8	118
10	150

