Scientist’s Tools

Tools are used to measure lengths, volume, distance, mass, weight, volume, temperature and time.

**Magnify** – make things look bigger. (tools – microscope, magnifying lens)

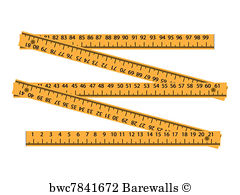
**Temperature** – measures how hot or cold something is in degrees. (tools - thermometer)

In the U.S. we use **Fahrenheit**.

In other countries, they use **Celsius**.

We measure **length** using a ruler, tape measure, meter stick.

Scientists measure using the metric system.

We measure volume using a measuring cup, beaker, and graduated cylinder.

**Volume** is the amount of space that something takes up. (tools – graduated cylinder, beaker)

Measuring Mass

**Mass** is the amount of matter in something.



A **balance scale** compares the mass of two objects.



A **spring scale** measures the mass of one object.

Other tools:

**Goggles** – protect your eyes during experiments.



**Forceps (tweezers)** – used to pick up objects



**Stopwatch** – measures time (same as clock) – how long does it take for something to happen.