

Food: Objectives

1. Understand the temperature control
2. Be able to explain food poisoning and list symptoms.
3. Be able to list the 5 main nutrients,.
4. List the 4 conditions bacteria need to grow.

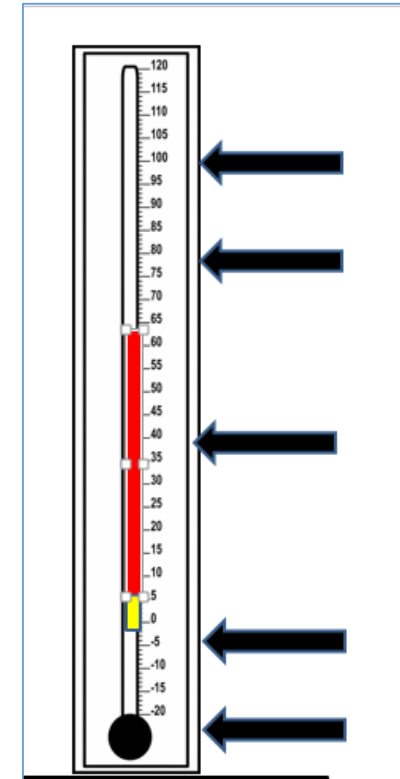
Temperature control

Can you match the temperatures to the terms?

100c	Freezer
75c	Refrigerator
5-63c	Danger zone
37c	Reheating food
-18c	Cooking food
0-5c	Body temperature
65c	Boiling point

Answers

100c	Boiling point
75c	Cooking food
5-63c	Danger zone
37c	Body temperature
-18c	Freezer
0-5c	Fridge
65c	Reheating food



Food poisoning

Describe food related causes of ill health



Symptoms

Symptoms vary depending on the type of food poisoning and can last for days.



Abdominal Pain
stomach-ache



Diarrhoea
'the runs



Vomiting
being sick



Nausea
feeling of sickness



Tiredness/Fatigue
no energy, weakness



Fever
raised temperature



Headache
thumping/pounding



Death
in extreme cases

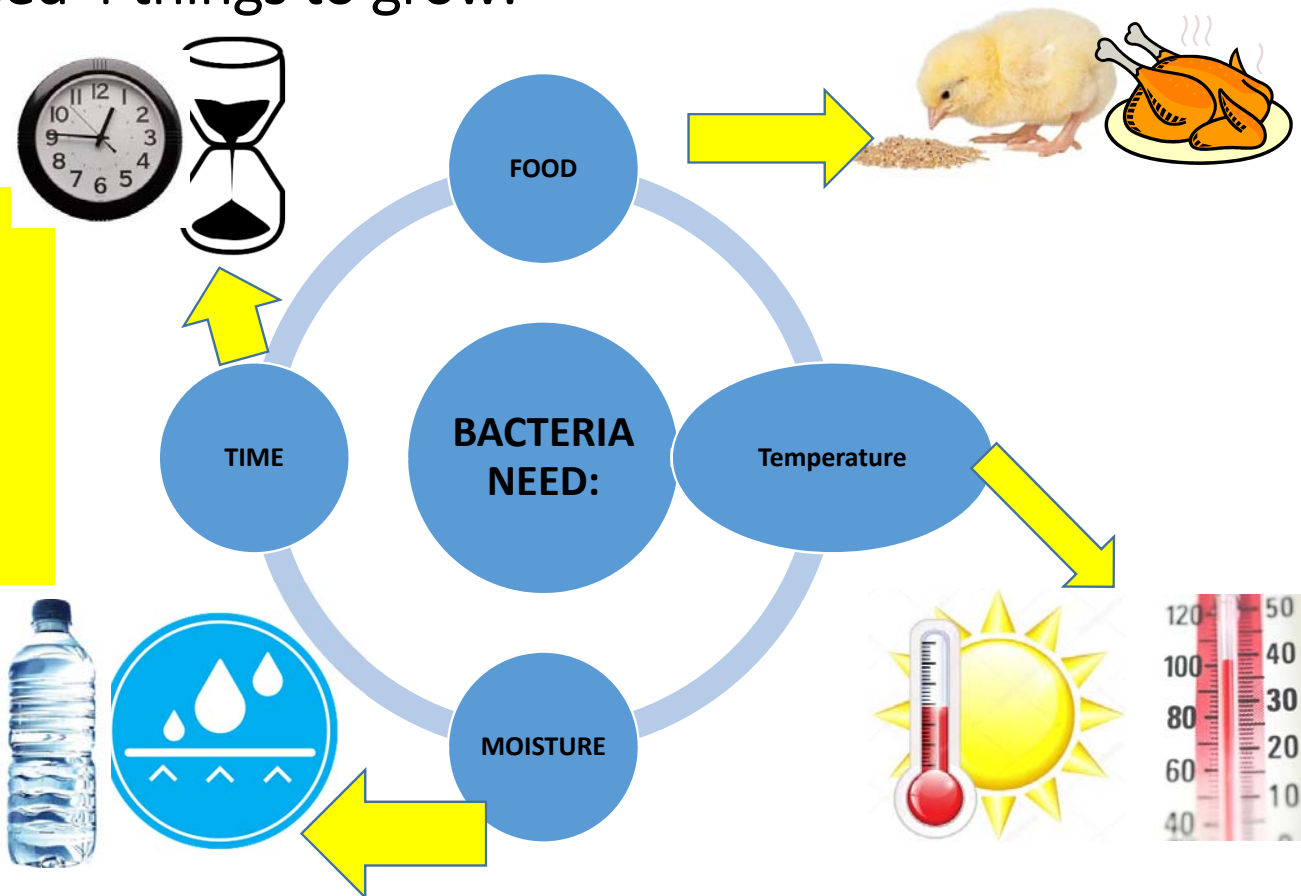


Bacteria



Bacteria need 4 things to grow:

Take away
any one of
the four
things and
bacteria
cannot
grow!!



Nutrients

- Nutrition is giving the body the materials (in the form of food) necessary to **support life**.
- Many common **health problems** can be prevented or alleviated with good nutrition.
- We get our nutrition from the **foods/drinks** in our diets.
- The nutrition we get comes in the form of nutrients.
- A car needs fuel to function properly, **we need nutrients** to function properly.
- A **balanced diet** contains a wide variety of foods
- Food contains a mixture of **different nutrients** which have **different functions** in the body.

There are two different types of nutrients:

- **macronutrients: (large)**
- **micronutrients: (small)**

• **Macronutrients are:**

- **Carbohydrates**
- **Protein**
- **Fat**

• **Micronutrients are:**

- **Vitamins**
- **Minerals**

Textiles: Objectives

1. Pupils need to be able to identify equipment and be able to give Uses.
2. Pupils need to have an understanding of fabric construction
3. Pupils need to be able to identify the main parts of a sewing machine

Textiles – On white boards



Equipment

Can you brainstorm ALL of the equipment you have used to make your cushion

Share with your partner

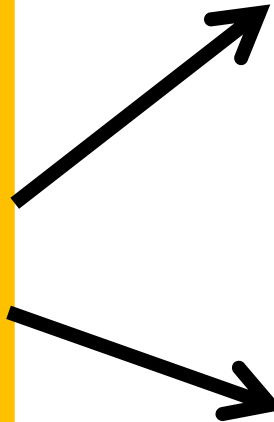
Textiles

What were the decorative technique options you could choose from?

Which one did you select?

List 3

My Decorative technique



Textiles

Fabric Construction

Fill in the gaps

In textiles we use lots of different
types of f_____

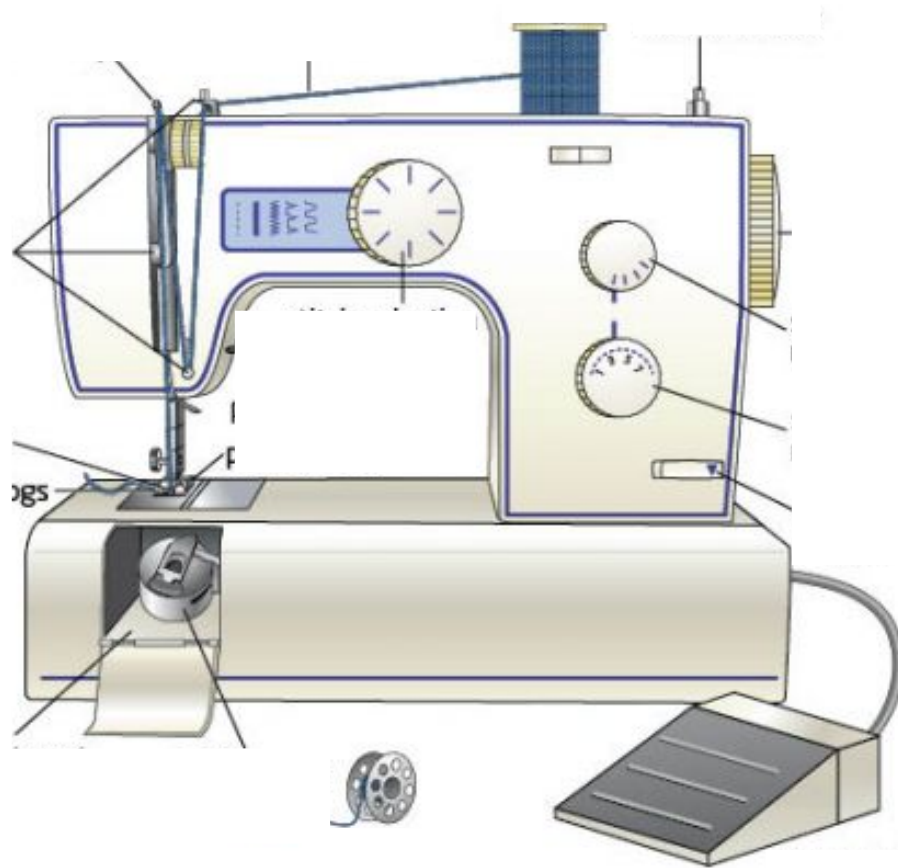
The 3 main types of fabric are
woven and non w_____ and
knitted.

Unscramble these key words

Vonwe
Onn ovnew
tdekitn

Can you find the different parts of a sewing machine?

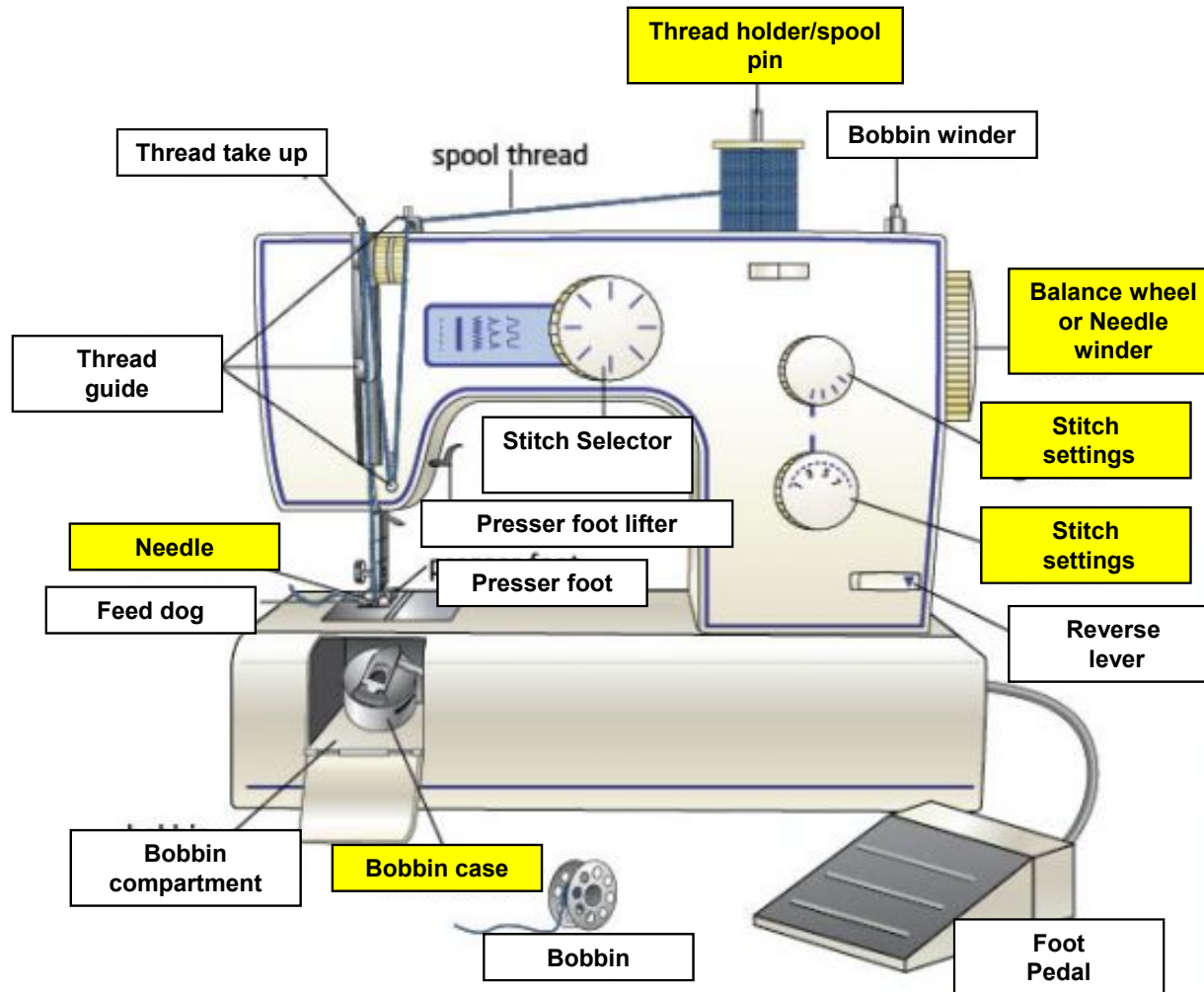
How many can you remember?



Can you find the different parts of a sewing machine?

How many can you remember?

Textiles
Department



Art: Objectives

To show understanding of the techniques, media, artists and key vocabulary you have studied this year.

Outcomes

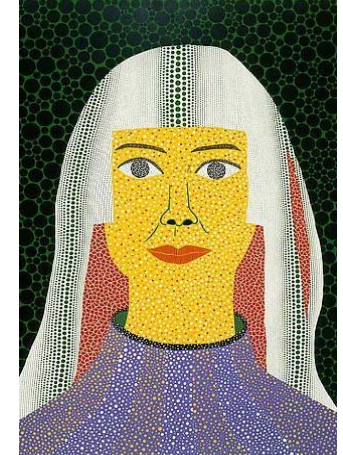
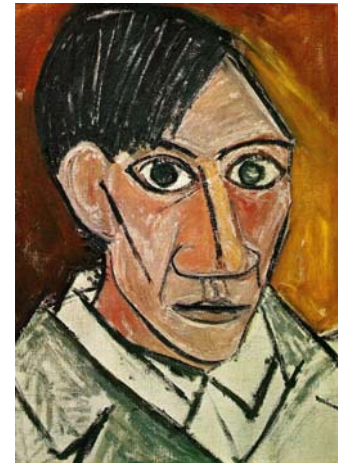
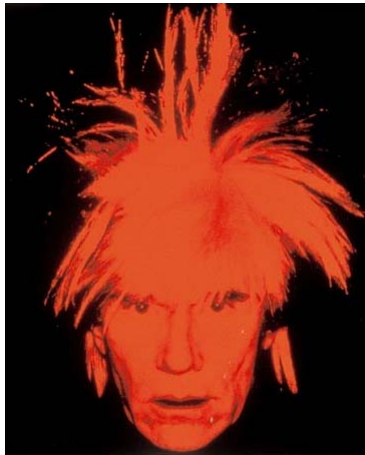
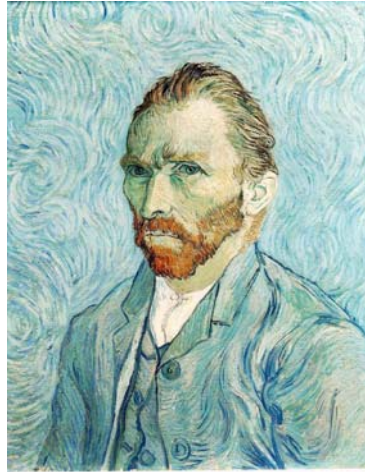
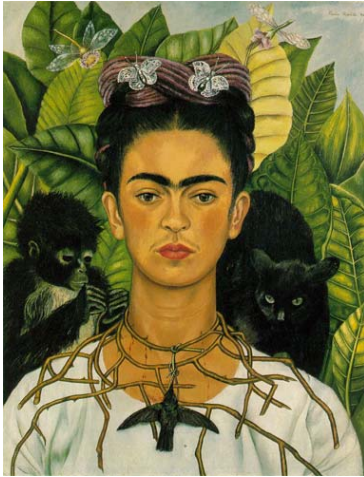
Good if: You can explain in writing what the following key art terms mean- Portrait, Tone, Proportions, Media, Day of the Dead

Better if: You can list the different types of media and the different artist you study in Year 8

Exceptional if: You can answer all of the questions using full sentences and correct SPAG.

What is...A Portrait?

A portrait is a representation of a person's face. It can be produced in any media and can be used to convey a likeness, mood or personality.





What is...Tone?

Tone can range from light to dark. Tone can be bright white, shades of grey as well as deepest black.

Facial Proportions

Proportion in *art* is the
relative size and scale of the
various elements in a work of
art

Pen, pencil (drawing, colouring, watercolour), oil pastel, chalk
pastel, aqua pastel, paint (watercolour, acrylic, gouache, oil,
poster, tempera), crayon, graphite, charcoal, ink, digital
software (Photoshop)...

ART MEDIA

at pppst.com



Crayon
Paint
Fabric
Yarn
Clay
Paper
Stone
Wood
Metal

DAY OF THE DEAD

- Day of the Dead (Dia de los Muertos) is a Holiday celebrated in Latin America.
- The holiday focuses on gatherings of families to remember those who have died
- The day of the Dead is a time of celebration where partying is common



<http://www.youtube.com/watch?v=N8tVG6Tgq5I&safe=active>

What is an ART MOVEMENT?

a group of artists who agree on general principles



What art movement
have you studied this
year?

A detailed illustration of a classic Campbell's soup can. The can is cylindrical with a red upper half and a white lower half. The word "Campbell's" is written in a large, white, cursive script across the red section. Below it, the word "CONDENSED" is printed in a smaller, white, sans-serif font. A circular gold seal with a detailed design is centered on the boundary between the red and white sections. The word "TOMATO" is printed in large, bold, red, sans-serif capital letters on the white background. At the bottom, the word "SOUP" is printed in large, bold, brown, serif capital letters, flanked by small decorative floral motifs. The can has a dark grey or black top and bottom rim.



Roy Lichtenstein

Any others?

Peter Blake

Objectives

1. To know health and safety rules within a workshop
2. To be able to identify tools and parts of machinery
3. To understand properties and characteristics of materials used.

Outcomes

Good if: You complete all worksheets given and join in with class discussions.

Better if: You show a positive questioning attitude.

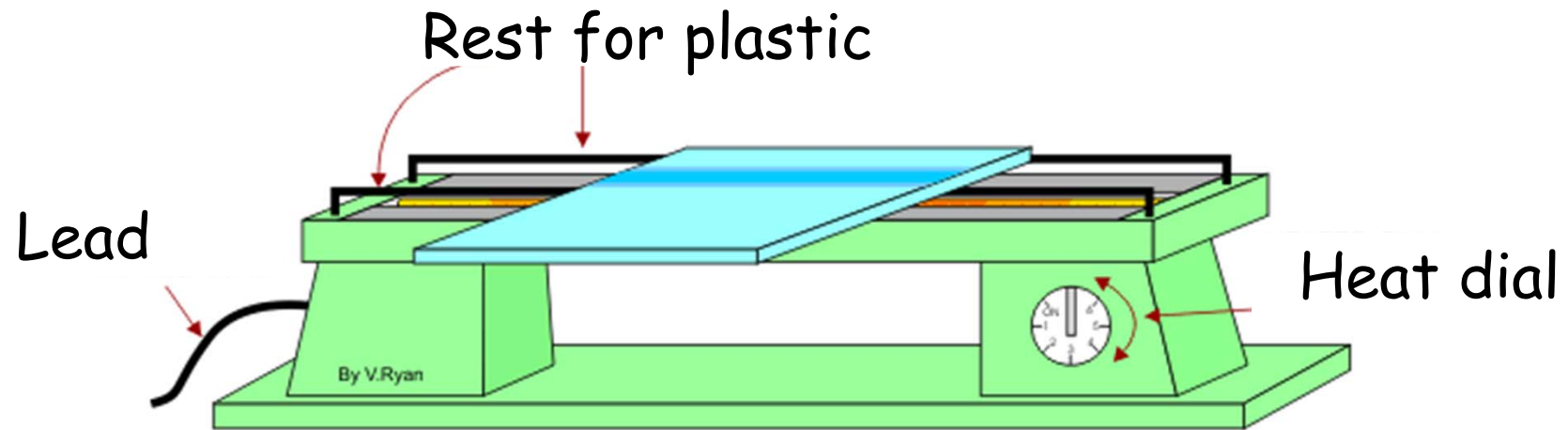
Exceptional if: You help each other - work as a team! Together We Achieve More!



Health & Safety In the workshop



The strip heater

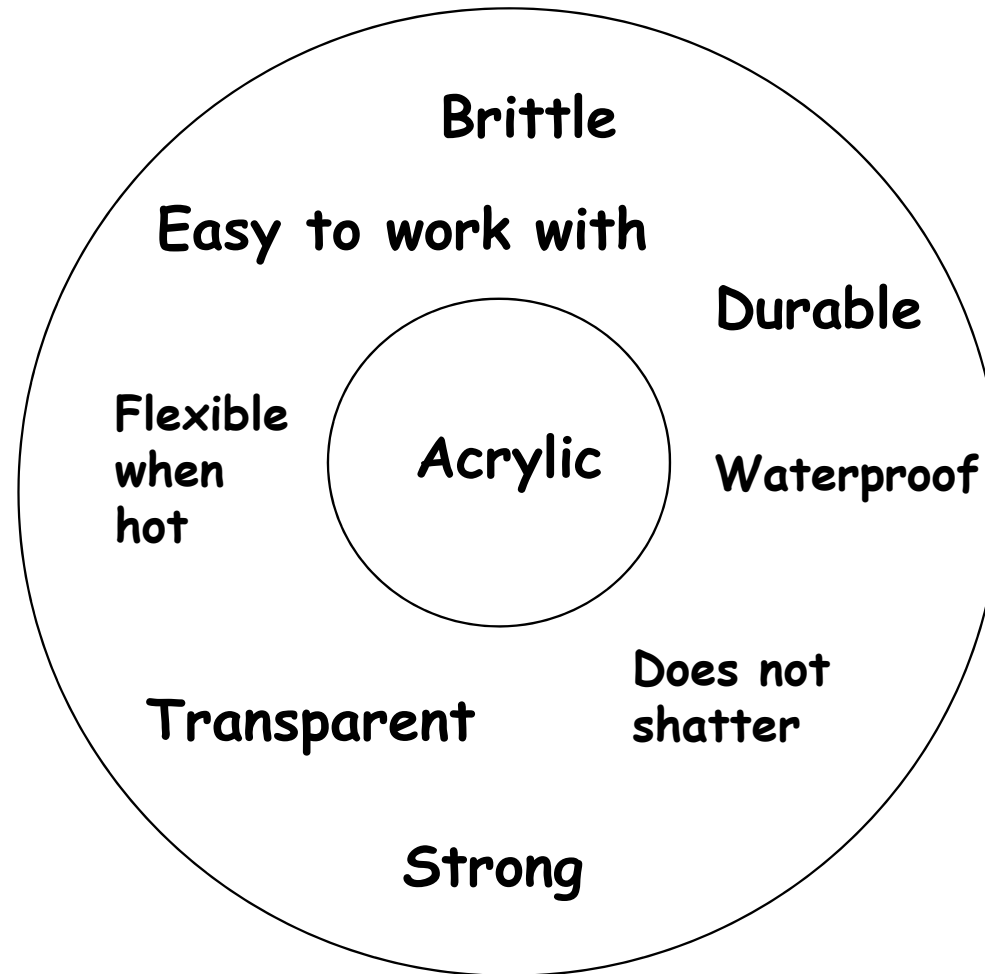


The strip heater is turned on and the plastic is turned over every 30 seconds - one minute. This stops the heat rising from the element damaging the surface of the plastic.

Health & Safety: Use gloves, put on an apron tie hair back and maximum 2 people on the machine at any one time.



Properties & Characteristics of Acrylic



3 Health and Safety rules with...



A coping saw

Hardwoods

- ✓ Deciduous or broad-leaved trees.
- ✓ Deciduous means they **lose** their leaves.
- ✓ Slow growing
- ✓ Expensive
- ✓ Types include; Ash, Beech, Oak, Balsa, Teak and Mahogany



Softwoods

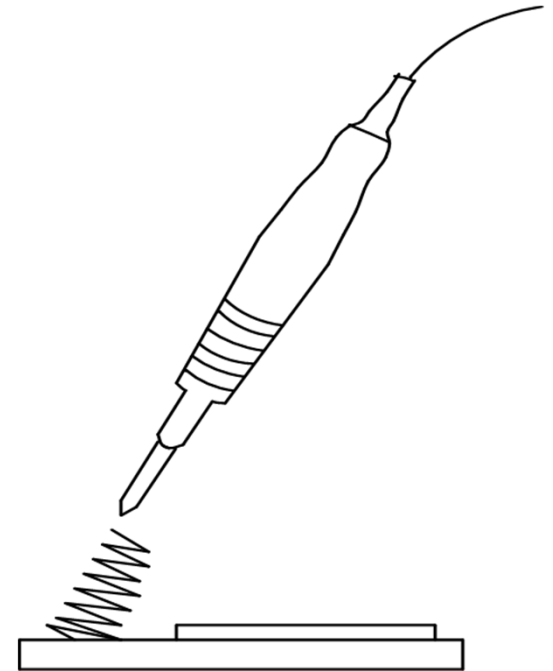
- ✓ Come from coniferous trees.
- ✓ Coniferous means they **don't lose** their needles.
- ✓ Have **needles** instead of **leaves**.
- ✓ Grow faster than hardwoods so are cheaper
- ✓ Types include; Pine, Spruce, Yellow Cedar, European Redwood





Revision

Year 8 Electronics exam



Equipment identification

What did we use to make our circuits?

1



Wire cutters

2



Soldering iron

3



Soldering iron stand

4



solder

5



Wire strippers

6



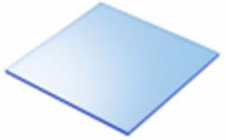
Fume extractor

7



Goggles

Acrylic



Acrylic has many advantages and it is the most commonly used plastic in schools. Acrylic comes in a range of colours, it is a thermoplastic allowing the material to be reheated and reshaped, it is lightweight, easy to work with and can be used on the laser cutter to produce an accurate design.

Therefore this material is suitable for the vibrobug as having a lightweight material will help it move quicker and make it transportable. It will also allow you to choose a range of colour to attract people to buy the product.

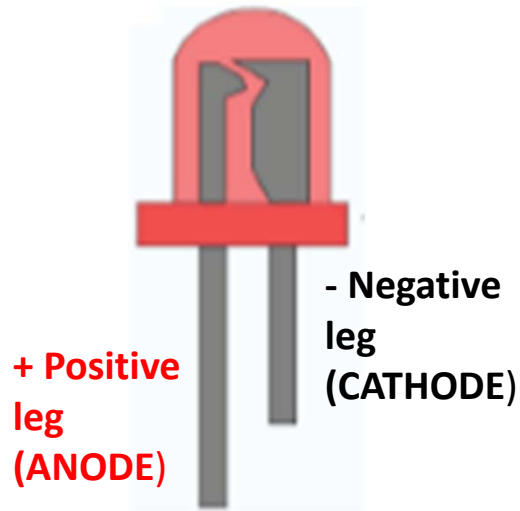
Packaging symbols



Not suitable for children under the age of 3.

This packaging symbol is used on products that need a age restriction. This may be because the product might include sharp objects or electronic components.

Light Emitting Diode (LED) and Motor.



Light Emitting Diodes (LED) can last a very long time.

LED's are part of the diode family, consequently they must be connected the right way round or current will not pass through.

This is identified in the component legs e.g. positive leg (**anode**) is long and negative leg (cathode) is short.



A **motor** is powered by electricity, that supplies motive power for a vehicle or for another device with moving parts. This component is useful for the vibrobug as it gives the product motive power allowing the bug to move.