

Year 7 Homework- Components 1

Using the internet find information and diagrams of the following electrical components:

L.E.D. (Light Emitting Diode)
Resistor

Year 7 Homework- Components 2

See if you can answer the following questions-

1. What is an **ANODE** ?
2. What is a **CATHODE** ?
3. Why do we place a **RESISTOR** in a circuit ?
4. What is meant by the term **OHM's** ?
5. Why are there different coloured bands on a resistor ?

Year 7 Homework- Materials 1

Use the internet to find information on the following materials

M.D.F.
Pine
Oak

Year 7 Homework- Materials 2

See if you can answer the following-

1. What do the letters **M.D.F** stand for ?
2. What is the difference between **M.d.f** and **Pine** ?
3. What is the difference between **Pine** and **Oak** ?

Year 7 Homework - Design

Draw your final idea for your clown face onto an A4 sheet of paper.
Remember to use colour and to show where the l.e.d's go.
Draw a rectangle x and draw your final design to fit inside this rectangle as this will be the size of the material you will use to make your clown face.

Year 7 Homework- Tools and equipment

Here is a list of the tools and equipment you used to make your clown's face:

Pencil

Scissors

Coping saw

File

Sand paper

Filler drill

Soldering iron

Explain how the above equipment helped you make your clown's face.