Subject D&T | Year 7 | Topic – LAMP

Categories of Plastics

	Type	Description	Example
1	**Thermo-setting plastics**	•Initially set by heat. •Cannot be re-shaped once set. •Are very strong and durable.	Examples: **Urea formaldehyde, Melamine formaldehyde, Phenol formaldehyde.**
2	**Thermo-forming plastics**	• Mostly recyclable •Can be shaped and re-shaped by heat •Have a memory and will return to their original shape when heated •Cannot be re-shaped once set	Examples: **Acrylic, HIPs, Rigid Polystyrene, HDPE, LDPE, Polypropylene.**

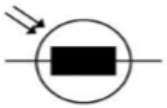
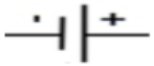
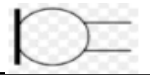
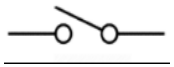
Categories of Timber

	Type	Description	Example	
1	**Hardwoods**	•Come from deciduous trees [lose their leaves in winter] •Usually grow in warmer climates [South America and Asia] •Grow slowly [80years+] to maturity •Are more expensive than softwoods. •Are more difficult to sustain than softwoods.	**B - Balsa** **A - Ash** **D - Deciduous** **H - Hardwood** **O - Oak** **T - Teak** **E - Expensive** **L - Loses leaves**	
2	**Softwoods**	•Come from coniferous [evergreen] trees with needle-like leaves. •Usually grow in colder climates [Scandinavia, Northern Europe]. •Are easier to sustain than hardwoods. •Are less expensive than hardwoods.	**P - Pine** **I - Indicates** **N - Needles** **C - Cedar** **E- Evergreen** **R -Redwood** **S- Softwood**	
3	**Manufactured Boards**	Are made from waste materials bonded together. •Come in sheet form [usually 1.2m x 2.4m] •Are very stable and have a uniform thickness. •Can be covered with a layer of veneer.	**S- Squashed** **L- Layers** **I- Industrial** **M- Manmade**	**C- Chipboard** **H- Hardboard** **I- Inexpensive** **M- MDF** **P - Plywood**

Key Words

1	Circuit	When electronic components are connected together to function
2	Finite source	A source of materials that will definitely run out. E.G. oil
3	Oil	Raw material for making plastic
4	Primary Processes	How raw materials are made into useful materials
5	Renewable source	A source of materials that will never run out. E.G Trees
6	Sustainable	If something be kept up/can it keep going or whether a resource can it be replaced
7	System	**Input-Process-Output components** working together to

Symbols used in Circuits

	Name	Symbol		Name	Symbol
1	LED		5	LDR (Light Dependent Resistor)	
2	Battery		6	Microphone	
3	Switch		7	Speaker	
4	Lamp				

1. Command Words

1	Name	Recall one or more pieces of information.
2	State	Write down what the term in the question means.
3	Give	Recall one or more pieces of information.
4	Describe	Give an account in words of someone or something including all of the relevant characteristics, qualities or events.
5	Explain	Make an idea, situation or problem clear by describing it in detail revealing relevant data or facts
6	How	Discuss the creation of something giving specific references to support.