

What I should already know



how to prepare for cooking



what a balanced diet is



select tools and explain choices



how to use health and safety rules



combine ingredients using various techniques



investigate ingredients of food products



suggest improvements and how to implement



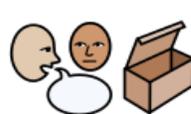
identify food from different places



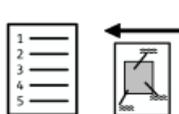
how to clean, tidy, wash up



The Design Process



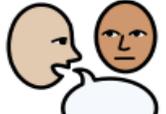
research



design product



make product



evaluate product

Mary Berry is an English food writer, chef, baker and television presenter. Her mission is to get everyone cooking and baking at home.



Vocabulary

Combine- To mix two or more ingredients with a spoon, mixer, whisk or hands.

Portion- The dividing up of a larger quantity into specific and equal serving sizes.

Medium resistant ingredients- These are foods that are more difficult to cut or thread a skewer through eg. mushrooms, cucumber, courgette

Visually appealing- Something that looks attractive and pleasing

Healthy food combinations- A mixture of a variety of foods from the food groups that are good for you.

Balanced diet- A healthy diet contains food that helps to maintain or improve a person's overall health and wellbeing.

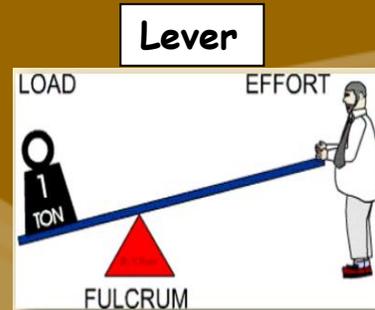
Assemble- Put together prepared or bought ingredients to create something different.

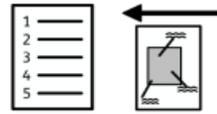
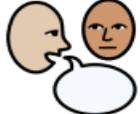
Garnish- To add decoration or finishing touch to a prepared dish using food.

The Design Process

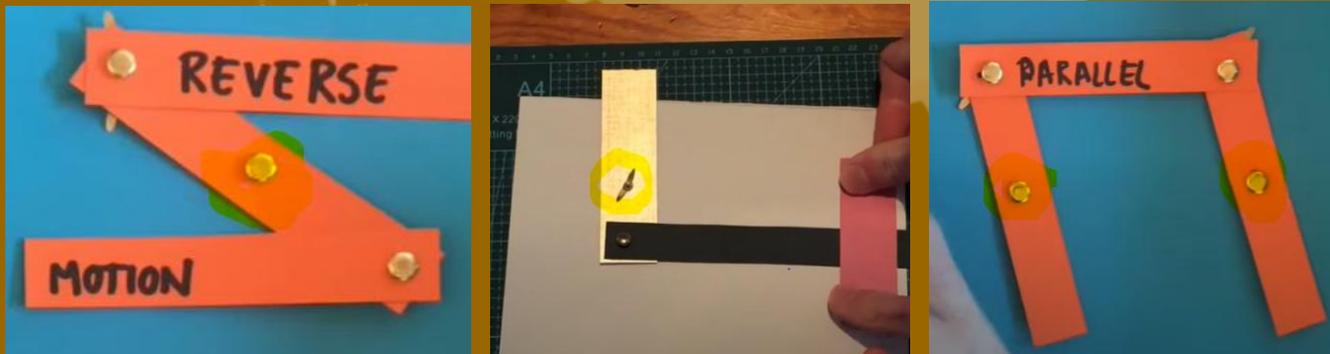
Things I should know already

 <p>how simple mechanisms work</p>	 <p>ways to join different materials</p>	 <p>how to make simple mechanisms</p>
 <p>how to keep safe</p>	 <p>choose materials to use</p>	 <p>draw and label</p>



 <p>research</p>	 <p>design product</p>	 <p>make product</p>	 <p>evaluate product</p>
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Linkages to explore



Vocabulary

Mechanism-A device used to create movement in a product.

Lever- A lever is a rigid beam that can rotate around a fixed point called the fulcrum.

Linkage- A linkage is a mechanism made by connecting together rigid links or levers.

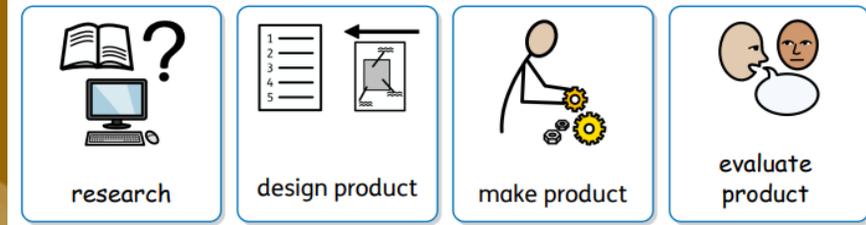
System-A set of related parts or components used to create an outcome. Systems have an input, process and output. In a lever and linkage mechanism, the 'input movement' is where the user pushes or pulls. The 'output movement' is where one or more part moves.

biome with an electrical circuit including buzzer/ lamp/ switch

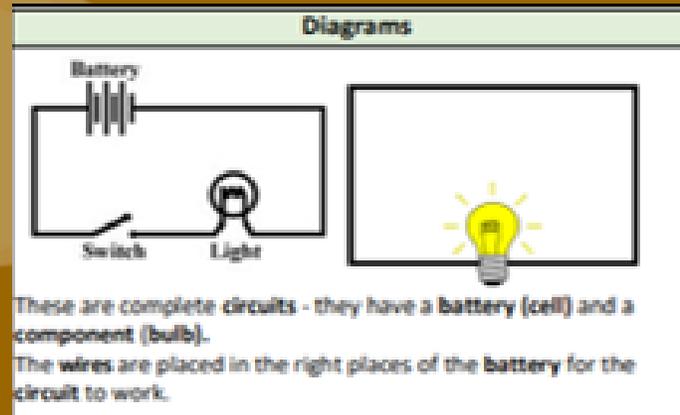
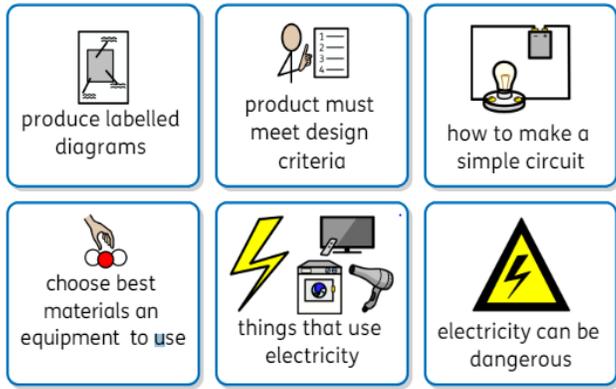
DT Knowledge Organiser- Year 4 Term 5

Electrical systems

The Design Process



What I should know already



Some components of an electric circuit					
	Wire	cell	switch	buzzer	lamp
Circuit Diagram	—	⊥	⎓	⎓	⊗
Picture					

Vocabulary

electricity- Electricity (or electrical current) is a flow of electrons (negatively charged particles) which transfers energy

components- The part that something is made from

voltage- A collection of cells

batteries- Small device that provides power for some electrical items

cells- Convert energy to electricity

circuit- A complete route which an electric current can flow around

current- A flow of electricity through wire or circuit

bulb- A device made of rounded glass used to create electric light

bulb holder- A device that holds a bulb

buzzer- A signaling device that makes a noise

switches- A switch is an electrical component that can 'make' or 'break' an electrical circuit

pressure pad- A soft padded sensor that responds to pressure

crocodile clips- A clip that is used to connect an electrical circuit