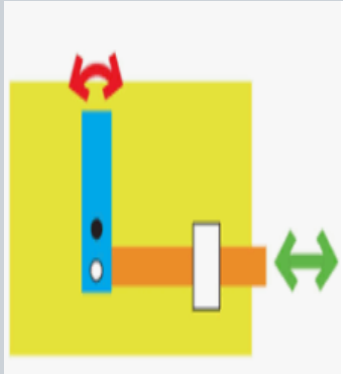


Prior knowledge – our past Design Technology knowledge that will support learning during this enquiry.

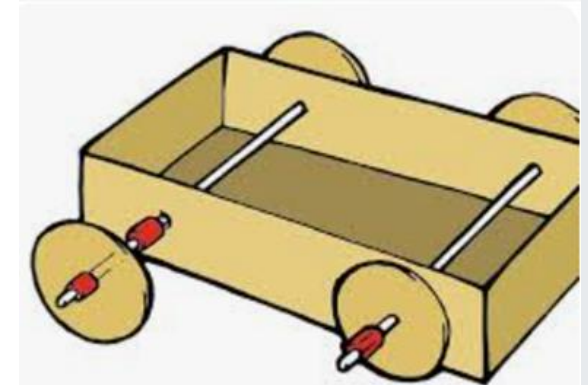
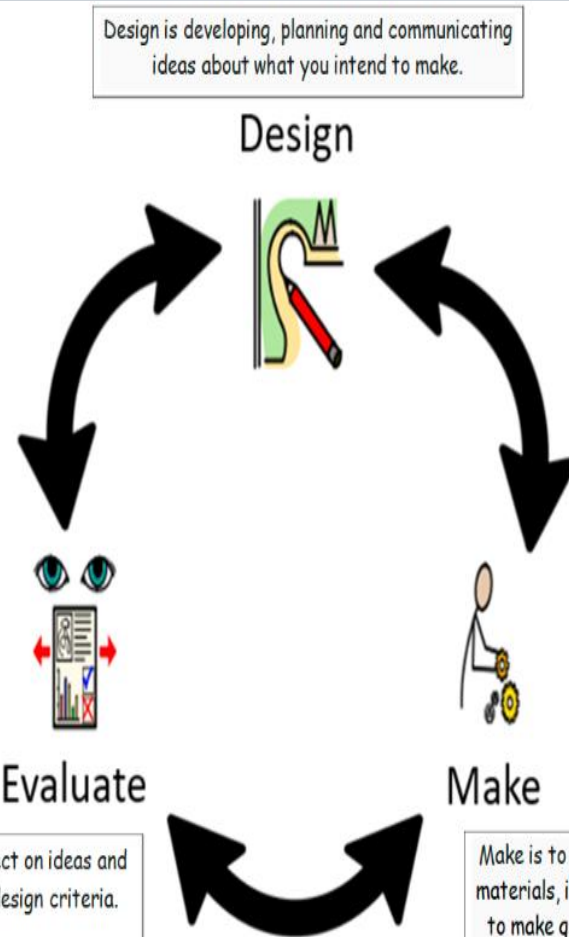
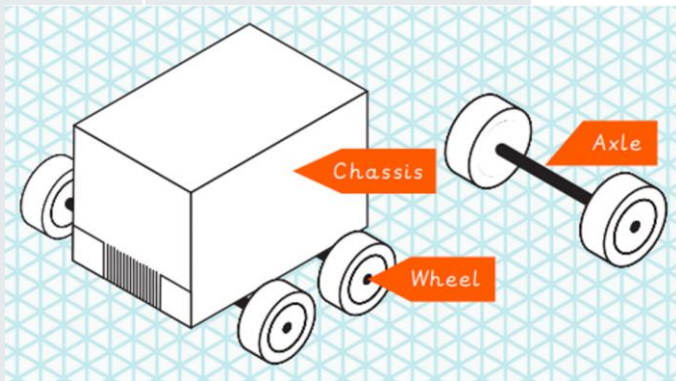
Unit 2



KS1 - Simple lever



Year 3



Preston Primary School Knowledge Organiser

Design Technology

Term: Spring 1

Year: Unit 3 - Year 3 & 4

Duration: 6 Weeks

How is a torch made?

Questions we will answer during this enquiry

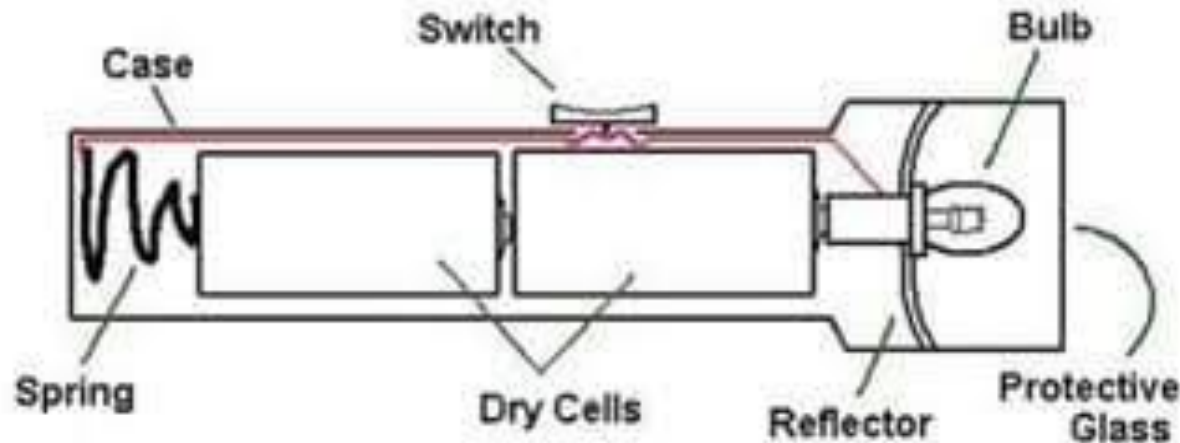
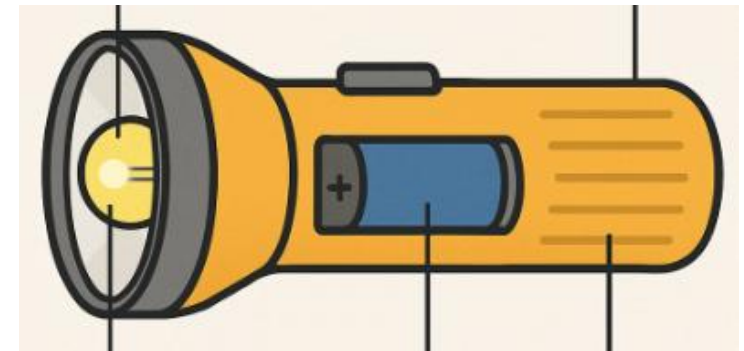
What is the purpose of the different kinds of torches?

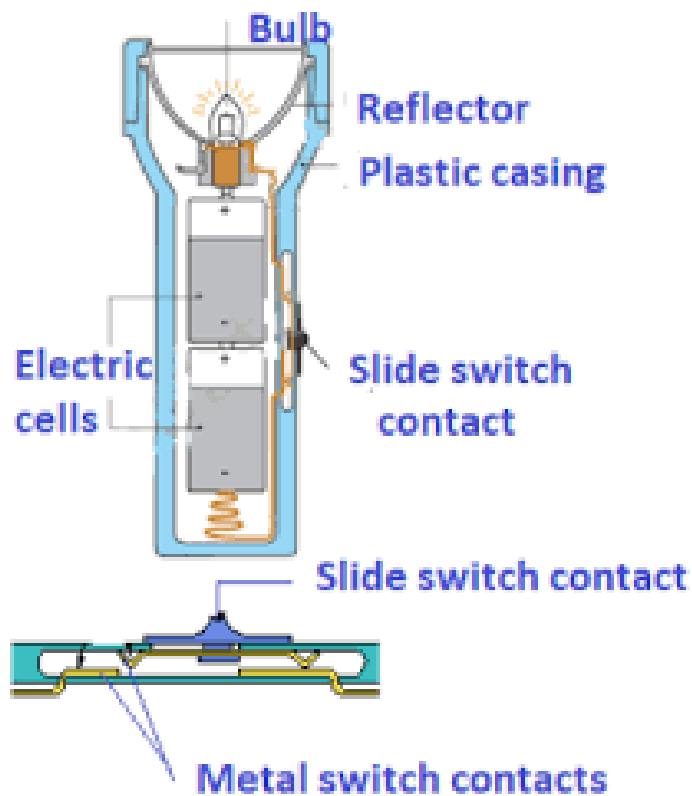
How do torches work?

How can we effectively design a headtorch?

How can we make a headtorch that lights up?

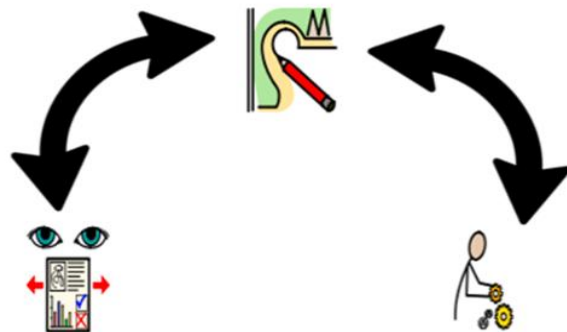
How can we adapt our design to improve it?





Design is developing, planning and communicating ideas about what you intend to make.

Design



Evaluate

Evaluate means to reflect on ideas and products against the design criteria.

Make

Make is to work with tools, equipment, materials, ingredients, and components to make quality products and dishes.

Key Vocabulary		
	Design criteria	The crucial things your design must include to be successful.
	Inventor	A person who designs new products to meet a certain purpose.
	Evaluate	The process of thinking about your final product and considering how it could be improved.
	Bulb	A glass bulb with wires inside it that glow when electricity flows through it.
	Battery/ Cell	The power source. The electrical power of a torch comes from the batteries.
	Switch	The on/off button. When it is on, the wires connect to allow the electricity to flow.
	Reflector	A curved surface behind the bulb that reflects light out of the torch.
	Lens	The clear plastic or glass cover of the front of the torch.
	Wires	Metal wires carry electricity around the circuit.