

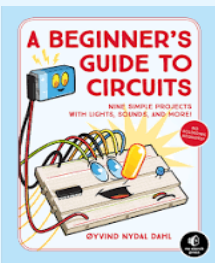


Year Group 4: Mechanical Systems

Subject Specific Vocabulary		Memorable Image	Exciting Books
design	To make or draw plans for the structure or form of.		 
plan	A method of achieving something that you have worked out in detail beforehand.		
specifications	A requirement which is clearly stated, for example about the necessary features in the design of something.		
		Sticky Assessment Knowledge	
mechanical system	A system of moving parts.	<input type="checkbox"/> I know how to use the ideas of experts and existing designs to help design a product.	Useful Websites
evaluate	If you evaluate something you make a judgement about it.	<input type="checkbox"/> I know how to make a detailed plan for a product and explain it (with specifications).	BBC Bitesize https://www.bbc.co.uk/bitesize/clips/zyd9qj6
components	The parts that something is made of.		<input type="checkbox"/> I know how to consider the views of others including any intended users to improve the work/product.
product	Something that is produced often as a result of a manufacturing process.	<input type="checkbox"/> I know how and when to evaluate their design for purpose and appearance and suggest improvements.	
		<input type="checkbox"/> I know how to use mechanical systems.	<ul style="list-style-type: none"> Simple machines are basic mechanical devices for applying a force and doing work. More complex machines are made up of a bunch of simple machines.
		<input type="checkbox"/> I can make a product which uses electrical components – handheld fan, a game show buzzer, or a house alarm sensor (linked to electricity in science)	