



Subject: DT	Year group: 1 Term: Summer 2	Title: Robots
What should I know? • How to use simple tools safely and appropriately • How to construct with a purpose in mind • How to select the materials I need for building and joining • How to select different materials for different purposes 	Facts I will learn ... • The importance of how a product will be used in its design • That different materials are used for different purposes and products • That designers create a plan for their product, share their ideas and make a prototype 	Key questions ... • Product - what kind of robot could we make? • Purpose – how would we like it to move? How do we want to play with it? • User - who is going to play with it? • Which recycled materials would work best for the different parts of your robot? • How do we make the structure stable? • What can you use to join the materials you are using? 

Key Skills... - Evaluating existing products - Designing a product based on existing products and their own ideas - Selecting recycled materials for my design - To make my structure stable - To use appropriate joins for different materials and parts e.g. glue, tape - To use a glue gun with close supervision - Evaluating my own and others' work	Experiences that school may provide: Exploring toy robots and how they work. 	<table><tr><th>Key vocab</th><th>Definition</th></tr><tr><td>Recycled</td><td>When an object or material is put through a process that allows it to be reused.</td></tr><tr><td>Design</td><td>To make or draw plans for a structure.</td></tr><tr><td>Join</td><td>To put, bring, or fasten together.</td></tr><tr><td>Product</td><td>Something made by means of either human work or that of a machine.</td></tr><tr><td>Purpose</td><td>A reason or plan that guides an action, design or goal.</td></tr><tr><td>Construct</td><td>To build; put together.</td></tr></table>	Key vocab	Definition	Recycled	When an object or material is put through a process that allows it to be reused.	Design	To make or draw plans for a structure.	Join	To put, bring, or fasten together.	Product	Something made by means of either human work or that of a machine.	Purpose	A reason or plan that guides an action, design or goal.	Construct	To build; put together.
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Web links	Experiences that could be provided at home...															

<https://www.junkbot.co/en>

- Making models using recycled materials
- Designing their own robots