

Design Technology Year 3	
Developing, planning and communicating ideas	<ul style="list-style-type: none"> Plan their design using accurate diagrams and labels Plan the equipment/tools needed and give reasons why Start to order the main stages of making their product Identify a design criteria and establish a purpose/audience for their product
Working with tools, equipment, materials and components to make quality products	<ul style="list-style-type: none"> Use equipment and tools accurately and safely Select the most appropriate tools/materials and techniques to use Manipulate materials using a range of tools and equipment(eg <i>cutting/shaping/joining and finishing</i>) Measure, cut and assemble with increasing accuracy
Evaluating processes and products	<ul style="list-style-type: none"> Think about ideas as they progress and make changes and adaptations if it helps improve their work Assess how well their product works in relation to purpose Explain how they could develop/change their design to make it better
Areas of Study	
Mechanisms	<ul style="list-style-type: none"> Make a product which uses mechanical components Use a range of mechanical systems - eg levers, linkages, gears, pulleys, cams and pneumatic systems
Construction and Use of Materials	<ul style="list-style-type: none"> Join materials effectively to build a product Use a range of techniques to shape and mould materials - including how to strengthen, stiffen and reinforce more complex structures
Textiles	<ul style="list-style-type: none"> Join textiles of different types in a range of ways Choose textiles for both their appearance and qualities Begin to use a range of stitches Use fabrics to build an image Add detail and texture to a piece of work
Technical terms related to topic (Key vocabulary)	Related Vocabulary
Greater Depth:	<ul style="list-style-type: none"> Design and create multiple prototypes demonstrating increasing levels of precision Independently modify prototypes and design briefs to ensure effective alterations are made to products
Topic/Novel Link:	

Defined End Point
<ul style="list-style-type: none"> Further develop, with increased precision, creative, technical and practical expertise related to mechanisms; making prototypes, testing and evaluating to construct effective products.

