Subject: Technology	Year group: Year 3	Topic: Levers	Initiation &
and, where appropriate, information and of Make :select from and use a range of tools finishing); select from and use a wide range ingredients, according to their characterist Evaluate: explore and evaluate a range of Technical knowledge: build structures, exp mechanisms, (for example levers, sliders, v	and equipment to perform practical tasks, (or example, cutting, shaping, joining and e of materials and components, including construction materials, textiles and tics existing products; evaluate their ideas and products against design criteria oloring how they can be made stronger, stiffer and more stable; explore and use	Vocabulary:	activation activities: Evaluations and
		sequence:	assessments:
<ul> <li>Design         <ul> <li>use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</li> <li>generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer- aided design</li> </ul> </li> <li>select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately</li> <li>select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</li> </ul>	<ul> <li>Electrical and mechanical components</li> <li>Do they select the most appropriate tools and techniques to use for a given task?</li> <li>Can they make a product which uses both electrical and mechanical components?</li> <li>Can they use a simple circuit?</li> <li>Can they use a number of components?</li> <li>Developing, planning and communicating ideas</li> <li>Can they show that their design meets a range of requirements?</li> <li>Can they put together a step-by-step plan which shows the order and also what equipment and tools they need?</li> <li>Can they describe their design using an accurately labelled sketch and words?</li> <li>How realistic is their plan?</li> <li>Working with tools, equipment, materials and components to make quality products</li> <li>Can they use equipment and tools accurately?</li> <li>Evaluating processes and products</li> <li>Can they explain what they changed which made their design even better?</li> </ul>		

		1
<ul> <li>investigate and analyse a range</li> </ul>		
of existing products		
<ul> <li>evaluate their ideas and</li> </ul>		
products against their own		
design criteria and consider the		
views of others to improve		
their work		
<ul> <li>understand how key events and</li> </ul>		
individuals in design and		
technology have helped shape		
the world		
Technical knowledge		
<ul> <li>apply their understanding of</li> </ul>		
how to strengthen, stiffen and		
reinforce more complex		
structures		
<ul> <li>understand and use mechanical</li> </ul>		
systems in their products, (for		
example as gears, pulleys,		
cams, levers and linkages)		
<ul> <li>understand and use electrical</li> </ul>		
systems in their products, (for		
example series circuits		
incorporating switches, bulbs,		
buzzers and motors)		
<ul> <li>apply their understanding of</li> </ul>		
computing to programme,		
monitor and control their		
products.		
Cooking and Nutrition		
<ul> <li>understand and apply the</li> </ul>		
principles of a healthy and		
varied diet		
<ul> <li>prepare and cook a variety of</li> </ul>		
predominantly savoury dishes		
using a range of cooking		
techniques		
<ul> <li>understand seasonality, and</li> </ul>		
know where and how a variety		
of ingredients are grown,		
reared, caught and processed.		
5 COV of this are growing of stur		

• 50% of this programme of study is taught in Years 5 and 6