

Year B Design and Technology KS2

Topic	Design	Structures	Mechanisms including electrical control (taught in Computing)	Materials including food
All about me	With growing confidence generate ideas for an item, considering its purpose and the user/s	Show an understanding of different structures by designing and building a support	Create articulated joints for their model	
Anglo Saxons	Understand how well products have been designed, made, what materials have been used and the construction technique When planning, explain their choice of materials and components including function and aesthetics			Start to measure, tape or pin, cut and join fabric with some accuracy
Crime and Punishment	Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail. Identify the strengths and areas for development in their ideas and product		Understand how more complex electrical circuits and components can be used to create functional products	
Vikings	Start to think about their ideas as they make progress and be willing to change things if this helps them to improve their work	Consider an appropriate structure for their design and its purpose How is this different to modern design and why?		Consider appropriate materials for their design and its purpose
Mountains, Rivers and Coasts	Confidently make labelled drawings from different views showing specific features	Create a stable and strong 3D structure to fulfill their design brief		Compare and contrast the limitations of materials in relation to their design

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Wonders of the World	Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail. Identify the strengths and areas for development in their ideas and product	Show an understanding of structures when designing	Show an understanding of mechanisms and where possible include one in their design	Consider appropriate materials for their design and its purpose

EVALUATION

Start to evaluate their product against original design criteria *e.g. how well it meets its intended purpose*

Evaluate their products carrying out appropriate tests