

<u>Curriculum Coverage – DT</u>

		Year 1			Year 2			Year 3			Year 4			Year 5			Year 6		
	National Curriculum Objective	А	Sp	Su															
KS1	Design purposeful, functional, appealing products for themselves and other users based on design criteria.																		
	Generate, develop, model and communicate their ideas through talking, drawing, templates, mock- ups and, where appropriate, information and communication technology.																		
	Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].																		
	Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.																		
	Explore and evaluate a range of existing products.																		
	Evaluate their ideas and products against design criteria																		
	Build structures, exploring how they can be made stronger, stiffer and more stable.																		
	Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.																		
	Use basic principles of a healthy and varied diet to prepare dishes.																		
	Understand where food comes from.																		
KS2	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.																		
	Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer- aided design																		

Select from and use a wider range of tools and equipment to															
perform practical tasks [for example, cutting, shaping, joining and															
finishing], accurately.															
Select from and use a wide range of materials and components,															
including construction materials, textiles and ingredients,															
according to their characteristics.															
Investigate and analyse a range of existing products.															
Evaluate their ideas and products against their own design criteria															
and consider the views of others to improve their work.															
Understand how key events and individuals in design and															
technology have helped shape the world.															
Apply their understanding of how to strengthen, stiffen and															
reinforce more complex structures.															
Understand and use mechanical systems in their products [for															
example, gears, pulleys, cams, levers and linkages].															
Understand and use electrical systems in their products [for															
example, series circuits incorporating switches, bulbs, buzzers and			Covered in KS2 Science												
motors].															
Apply their understanding of computing to program, monitor and			Covered in KS2 Computing												
control their products.			covered in K32 compating												
Understand and apply principles of a healthy and varied diet.															
Prepare and cook variety of predominantly savoury dishes using a															
range of cooking techniques.															
Understand seasonality, and know where and how a variety of															
ingredients are grown, reared, caught and processed.															