Design and Technology Curriculum Map

	Year	Autumn Term	Spring Term	Summer Term
Reception		Construct with a purpose in mind Use simple tools and techniques appropriately Build and construct with a wide range of objects Select the tools and techniques they need to shape, assemble and join materials.		
KS1	1	**Mechanisms** Sliders and Levers	**Structures** Freestanding Structures	**Food** Preparing Fruit and Vegetables
		Engineer: Robert Sabuda	*Designer: Robin Day*	*Chef: Jamie Oliver*
		Final Product: Pop-up Christmas Cards	Final Product: A Chair for the Class Bear	Final Product: Fruit Kebab
	2	**Textiles** Templates and Joining Techniques	**Food** Preparing Fruit and Vegetables	**Mechanisms** Wheels and Axels
		Designer: William Morris *Designer: Coco Chanel*	*Chef: Hugh Fearnley-Whittingstall*	*British car designer: Alec Issigonis* *Engineer: George Stephenson*
		Final Product: Christmas Decoration	Final Product: Salad	Final Product: Push/Pull Toy
LKS2	3	**Structures** Shell Structures	**Textiles** 2-D shape to 3-D Products	**Food** Healthy and Varied Diet
		Architect: Norman Foster *Architect: Gustave Eiffel*	*Designer: Cath Kidston*	*Chef: Lisa Goodwin-Allen*
		Final Product: 3D Christmas box	Final Product: Soft Toy	Final Product: Sandwich
	4	**Food** Healthy and Varied Diet	**Mechanical systems** Levers and Linages	**Electrical systems** Simple Circuits and Switches
		History topics – Romans *Baker: Mary Berry*	*Industrial Design Engineer, Inventor: James Dyson*	*Inventor: Thomas Edison*
		Final Product: Roman Honey Biscuits	Final Product: Pop-up Story Book	Final Product: Steady Hand Game
UKS2	5	**Food** Celebrating Culture and Seasonality	**Mechanical systems and Computing** Pulleys or Gears/Digital design	**Structures** Frame Structures
		Chef: Nadiya Hussain	*Engineer: Henry Ford* *Engineer: Margaret E. Knight*	*Architect: Zaha Hadid* *Architect: Maya Lin*

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		Final Product: Ginger Bread	Final Product: Sling Shot	Final Product: Bridge
	6	**Textiles** Combining Different Fabric Shapes	**Food** Celebrating Culture and Seasonality	**Electrical Systems** More Complex Switches and Circuits
		Designer: Vivenne Westwood *Designer: Virgil Abloh*	*Chef:* *Paul Hollywood*	*Inventor: Steve Jobs* *Inventor: Steve Wozniak* *Designer: Sir Jony Ive*
		Final Product: Christmas Cushion	Final Product: Savoury Muffins	Final Product: Electronic Game