

2024-25 Design and Technology Long Term Overview							
Cycle A		Autumn		Spring		Summer	
		A1	A2	A3	A4	A5	A6
KS1	Humanities Topic	All about me	Our Local Area	Schools	Contrasting Locations	Explorers	Hot and Cold Places
	Science Topic	All about me/Seasons	Building Materials	Seasonal Changes	All about Animals	Habitats-Survival	Habitats around the world
	Focus		Construction-Free Standing Structures		Cooking and Nutrition-Healthy Eating	Textiles	Mechanisms-Sliders and Leavers
	Unit		<u>My House</u>		<u>Food Using Different Cooking Techniques</u>	<u>Pouches</u>	<u>Moving Story Book</u>
LKS2	Humanities Topic	Ancient Egypt	Deserts	Stone Age to Bronze Age	Rivers	Romans	Angry Earth
	Science Topic	Light	Sound	Rocks	State of matter	Skeletons and Nutrition	Electricity
	Focus	Cooking and Nutrition-Healthy and Varied Diet		Mechanisms-Leavers and Linkages	Construction- Bridges	Textiles- Fastenings, 2d into 3d Product	
	Unit	<u>Adapting a Recipe-Bread</u>		<u>Pop up Book</u>	<u>Bridges</u>	<u>Roman Pouch/Modern Purse</u>	
UKS2	Humanities Topic	The Greeks	Alps	WW2	Migration	The Census	Our Local Area
	Science Topic	Earth and Space	Bodies	Light	Forces	Evolution and Inheritance	Human Life cycle
	Focus	Mechanisms Electrical systems/Digital world- Cams Gears	Cooking- Nutrition Seasonality/Culture	Textiles- Different Fabric Shapes			Construction
	Unit	Automata Toy <u>Vex go Robotics- Mars Rover (within computing)</u>	<u>Adapting a Recipe</u>	<u>Waist Coats</u>			<u>Playgrounds</u>

2025-26 Design and Technology Long Term Overview

Cycle B		Autumn		Spring		Summer	
		B1	B2	B3	B4	B5	B6
KS1	Humanities Topic	On the Move	Our World	Toys	Weather	Monarchs	Coasts
	Science Topic	Exploring Everyday Materials	Use of different materials	Life Cycles	Types of plants	Growth, healthy eating and survival	Life cycle of plants and conditions
	Focus	<u>Mechanisms-Wheels and Axels</u>		Textiles- Template and Joining techniques		Construction- Free Standing Structures	Cooking and Nutrition- Preparing Fruit and Vegetables
	Unit	<u>Moving Vehicles</u>		<u>Puppets</u>		<u>Royal Throne</u>	<u>Fruits and Vegetables</u>
LKS2	Humanities Topic	Children's Lives in the Past	Settlements	Anglo Saxons	Antarctica	Vikings	Rainforests
	Science Topic	Teeth and digestion	Conservation	Magnes and Forces	Different Habitats-Classification	Functions of parts of plants	Food Chains
	Focus	Digital World	Construction and Electrical Systems- Shell Structures/ Simple Circuits and Switches			Cooking and Nutrition Eating Seasonally	Mechanisms- Pneumatics
	Unit	<u>Wearable Technology</u>	<u>High Rise buildings with Electrical components</u>			<u>Food-Eating Seasonally</u>	<u>Moving Animals</u>
UKS2	Humanities Topic	The Tudors	Oceans	The Mayans	Food	Unheard Histories	Energy
	Science Topic	Mixtures	Climate Change	Life Cycles	Changes of materials	Classification	Electricity
	Focus	Cooking and Nutrition	Construction- Frame Structures		Digital World		Electrical systems + Mechanisms
	Unit	<u>Come dine with me</u>	<u>Emergency Shelters</u>		<u>Navigating the world Monitoring Devices (within Computing)</u>		<u>Gear and Pulleys Crumbles</u>