



DT at Bramingham – Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used. Make use of props and materials when role playing characters in narratives and stories.					
Year 1		Mechanisms: - Interactive book. - Levers and sliders. - How can we make things move?		Structures: - Towers. - Freestanding, reinforce, stable. - Why does it not fall down?		Food tech: - Fruit platter. - Cutting, making patterns. - What makes food appealing to eat?
Year 2	Food tech: - Healthy packed lunch. - Spread, grating, nutrition - Makes a balanced lunch?		Mechanisms: - Pull toys. - Axels and wheels. - How do wheels move?		Textiles: - Hand puppets - Basic stitching - How does a design help me to plan?	
Year 3		Food tech: - Pasta. - Cooking boiling, dough, seasoning, vegetarian - How do cooking processes change food?		Textiles: - Cushions. - More complex stitching. - Which joining technique is strongest and neatest?		Mechanisms: - Pneumatics Animals - Hinges and Pneumatics - How can air be used to move a mechanism?
Year 4	Product design: - Protective Gift Box - Shell structures, design advertising - How does the right package design help sell a product?		Food tech: - Bedfordshire Clangers - Cooking, Pastry, meat fillings - What makes pastry strong to hold a filling?		Electrical: - Buzzer games - Circuits, buzzers - How do circuits and switches work within toys?	
Year 5		Structures: - Bird boxes. - woodwork - What do I need to consider when making a structure for outdoors?		Food tech: - Bread. - Kneading, proving, plaiting - How is bread made?		Textiles: - Bags - Sewing, pattern making - What features make bags secure?
Year 6	Mechanisms: - Cam toys - Woodwork, cams, wheels axel - How can cams be used to create toys?		Computer aided design: - Fair ground ride - Crumble/ Microbit - How do computers help our designs?		Food tech: - Recipe design - Seasonal ingredients - What food can be made using seasonal ingredients?	

Every individual, every achievement and every moment matters.