

Magdalen Gates Design and Technology 2020/2021



Design and Technology Curriculum LTP 2020/2021

Food	Mechanisms/Mechanical Systems	Structures	Textiles	Electrical Systems
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	Term 1	Term 2 Change and Progress	Term 3	Term 4 Technological advancement	Term 5	Term 6 Conflict and Power
EYFS	Keeping safe. Introduction to saw and hammer. Collaborative piece	Supported Calendars for Christmas	Joining 2 pieces of wood	Collaborative piece.	Design, make and decorate an individual model.	Keeping safe. Introduction to saw and hammer. Collaborative piece
	Basic Level Joins glue stick, PVA glue with a glue brush, PVA glue with a spreader, make glue from flour		Mid-Level Joins masking tape, sticky tape, folding paper and card, elastic band, sticky tack, a paper clip, a stapler		High Level Joins hole punch (single and double) split pins, treasury tags, stitching	
Year 1	ART	Food: What did we eat in the past? Preparing fruit and vegetables (including cooking and nutrition requirements for KS1	ART	Mechanisms: Can we make a book with moving parts all about toys? Sliders and levers	ART	Structures: Can we make a building with a tower? Freestanding structures

Year 2	ART	Textiles: Can we make a puppet of a famous person? Templates and joining techniques	ART	Mechanisms: Can we make a space buggy? Wheels and axles	ART	Food: Can we plan a healthy sandwich? Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)
Year 3		Structures: -Shell structures Can we make a Roman seal box?		Textiles: 2-D shape to 3-D product Can we make an Iron Age pouch?		Food: Can I make an Egyptian salad snack? Healthy and varied diet (including cooking and nutrition requirements for KS2)
Year 4	ART	Mechanical systems: Can we make an archaeological excavator? -pneumatics	ART	Electrical systems: Can I make an illuminated display? Astrology? -simple circuits and switches	ART	Food: Can we make our bread to make a healthy sandwich? Healthy and varied diet (including cooking and nutrition requirements for KS2)

Year 5	ART	Food: Can we make Christmas foods from around the world? celebrating culture and seasonality (including cooking and nutrition requirements for KS2)	ART	Textiles: Can we make an item of Mayan textile? -Combining different fabric shapes	ART	Structures: Can we emulate a Norman structure? frame structures – Norwich castle?
Year 6	ART	Food: Can we plan and make a balanced Harvest feast? celebrating culture and seasonality (including cooking and nutrition requirements for KS2)	ART	Mechanical systems: Can I make a moving race car? -pulleys or gears		Electrical systems: Can we create an air raid siren? -using more complex switches and circuits

KS1 and KS2 should have a minimum of 8 hours DT in the half term that it is taught in.