

Meadow Park School - Curriculum Map KS3 2024-2025



Key Stage	Year Group	Subject	Teacher	Programme of Study		
2	5 & 6	Design Technology	Miss M Baguley	National Curriculum	DT	
Autumn a		Autumn b	Spring a	Spring b	Summer a	Summer b
Topic(s)		Topic(s)	Topic(s)	Topic(s)	Topic(s)	Topic(s)
Health & Safety Materials		CAM toy	Bug Hotel	Bug Hotel	Bug Hotel	Techcard
		Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Task	Assessment Tasks
Health & Safety Awareness		Use of manufacturing tools and Techniques	Manufacturing plans	Finishing techniques	Evaluation	Gears, Cams and levers
Key Skills		Key Skills	Key Skills	Key Skills	Key Skills	Key Skills
Pupils will learn how to :- accurately measure, mark out, cut and shape materials and components model their ideas using prototypes and pattern pieces		Pupils will learn how to: - talk about their design ideas and what they are making produce appropriate lists of tools, equipment and materials that they need	Pupils will learn how to: - accurately assemble, join and combine materials and components identify the strengths and areas for development in their ideas and products	Pupils will learn how to :- use computer-aided design to develop and communicate their ideas make design decisions, taking account constraints such as time , resources and cost	Pupils will learn how to :- how well products have been made demonstrate resourcefulness when tackling practical problems	Pupils will understand that:- use a wider range of materials and components than KS1 , including construction materials and kits, textiles, food ingredients , mechanical components and electrical components how to use learning from mathematics to help design and make products that work
Personal Development/Careers		Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers
Pupils will be introduced to Design Technology (Black history month link)		Pupils will have a discussion around how to be more environmentally friendly products	Focus on why DT is important in life	Discussion on a range of designers, engineers, technologists and manufacturers	Life Cycle of products – concept of 'cradle to grave'	How maths can relate to real world applications
Reading & Writing		Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing
Pupils will use the literacy mats to support their learning		Pupils will use the literacy mats to support their learning Use of practical log to record progress and Verbal Feedback	Pupils will use the literacy mats to support their learning Use of practical log to record progress and Verbal Feedback	Pupils will use the literacy mats to support their learning Use of practical log to record progress and Verbal Feedback	Pupils will use the literacy mats to support their learning Use of practical log to record progress and Verbal Feedback	Pupils will use the literacy mats to support their learning Use of practical log to record progress and Verbal Feedback
Speaking & Listening		Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening
Pupils will compare and discuss H&S images		Use of group work to analyse trains	Pupils will discuss a variety STEM careers	Use of peers to discuss practical progress on trains and set new targets	Small group work to evaluate their trains	Pupils will be able to discuss in groups how movement and motion can be altered

