Meadow Park School - Curriculum Map KS3 2024-2025

Key Stage	Year Group	Subject	Teacher	Programme of Study	
3	**7/8/9**	**CATS**	**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	Pinball	Pinball	Pinball	Disassembly & testing	Motion & Movement
	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 :- Classify materials Keep themselves and other safe in a workshop	Pupils will learn how to :- Identify correct tools Mark & measure using templates and specialist equipment	Pupils will learn how to :- Produce ordered sequences Join a variety of materials Adapt methods of manufacture	Pupils will learn how to :- Use a broad range of techniques to manufacture products precisely Modify the appearance of materials	Pupils will learn how to :- Evaluate their products	Pupils will understand that:- Using mechanical systems in their products enable changes in movement and force
Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers	Personal Development/Careers
Pupils will be introduced to STEM Careers (Black history month link)	Pupils will have a discussion around how to be more environmentally friendly	Focus on More STEM Careers	Discussion on a range of designers, engineers, technologists and manufacturers	Focus on More STEM Careers Life Cycle of products – concept of 'cradle to grave'	Learners will focus on STEM careers in the local community and what employers are looking for
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	Pupils will use the literacy mats to support their learning Use of practical log to record progress and Verbal
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
Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning
Pupils will use the numeracy mats to support their learning Use of Isometric drawing Learners will be measuring and	Pupils will use the numeracy mats to support their learning Accuracy , rounding & estimation Use of templates to support	Pupils will use the numeracy mats to support their learning Use of Time scales Costings	Pupils will use the numeracy mats to support their learning Percentages and ratio	Pupils will use the numeracy mats to support their learning Interpreting and	Pupils will use the numeracy mats to support their learning Use of Gear trains Ratio
Creative Media	Creative Media	Creative Media	Creative Media	Creative Media	Creative Media

Learners will be able to use Ipads to photo work and add to portfolio work	Learners will be able to use Ipads to photo work and add to portfolio work	Learners will be able to use Ipads to photo work and add to portfolio work	Learners will be able to use Ipads to photo work and add to portfolio work	Learners will be able to use Ipads to photo work and add to portfolio work	Learners will be able to use Ipads to photo work and add to portfolio work