

Meadow Park School - Curriculum Map 2023-2024



Key Stage	Year Group	Subject	Teacher	Programme of Study		
4	10	Mathematics	Mr O'Toole	AQA		
Autumn a		Autumn b	Spring a	Spring b	Summer a	Summer b
Topic(s)		Topic(s)	Topic(s)	Topic(s)	Topic(s)	Topic(s)
Year 10						
<ul style="list-style-type: none"> Number Properties Representing data 2D shapes Negative numbers 		<ul style="list-style-type: none"> Algebraic Expressions 3D shapes Units Averages 	<ul style="list-style-type: none"> Fractions Perimeter and Area Probability Decimal Numbers 	<ul style="list-style-type: none"> Geometric Reasoning Patterns and Sequences Ratio and Proportion Scatter Graphs 	<ul style="list-style-type: none"> Constructions Percentages Collecting Data Accuracy and rounding 	<ul style="list-style-type: none"> Circles Equations Compound Measures Pythagoras Theorem
Assessment Tasks		Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Task	Assessment Tasks
Student to pick a topic of their choice and analyse the date. Eg Ronaldo's goals whether they were right left or headed		Carpet and skirting board task. Students will be given numerous rooms and will have to calculate the price of carpet and skirting board	Shopping task. Students will be given different shopping list where they have to go online and calculate the overall price of each task	Sequences word search. Students generate the first five terms of a sequence and find the corresponding answers in a word search	Creating a garden task using construction and loci.	Students to investigate the origins of pi and challenge themselves to think of a sentence to help them to remember pie to as many places as possible.
Creating a timeline of importance dates in history to identify tens, hundreds and thousands.		Students will create accurate nets of 3d shapes	Carpet and skirting board task. Students will be given numerous rooms and will have to calculate the price of	Students will collect data from class/peers regarding shoe size and hand span and produce scatter graphs showing results	Best buy task where students deduct percentages to find the best value.	Open book exam as a formative assessment to monitor students understanding.
Personal Development/Career		Personal Development/Career	Personal Development/Career	Personal Development/Career	Personal Development/Career	Personal Development/Career
Looking at what grades are needed for different college courses/careers so that students can set realistic but aspirational targets.		Exploring how prominent both Maths and English are in most jobs. Allowing students to investigate what type of maths they are likely to use in their chosen careers.	Students will explore how tax and national insurances are calculated.	Mental health and emotional wellbeing, including body image. Managing change and loss	Diversity, prejudice and bullying including cyber bullying. Looking at statistics percentages and case studies	Students will look at how maths can help them eat and drink healthier by look at nutritional information etc.
Reading & Writing		Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing
Students will include a brief description of the different events chosen in their time line.		Students will present their findings whilst documenting any surprises they found on their investigation	Students will record which supermarket chain has the best offers on different products.	Students will follow a set of instructions which determine how to collect data.	Students will combine information from different types of resources.	Students will be shown different revision exam techniques.
Speaking & Listening		Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening
Students will produce a presentation to show their findings		Students will debate why they think have a better/worse chance of winning the race.	Students will pair up to discuss their findings.	Pupils are to communicate conclusions and reasoning clearly and effectively	Students will discuss their idea for their gardens with their class.	Students will discuss the results of the open book exam as a rally and coach

					technique.
Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning
Arranging numbers and categorising and presenting data.	Working with money whilst calculating probabilities.	Comparing decimal numbers, ordering decimals. Also using mathematical equipment to draw accurate shapes.	Using different techniques to represent data discussing the difference between direct and inverse proportion.	Measuring, bisecting angles whilst working to fit different objects in a confined space.	Exploring the connection between pi, circumference and diameter.
Creative Media	Creative Media	Creative Media	Creative Media	Creative Media	Creative Media
Students will have access to ICT suite to research and present findings	Have access to ipad's to investigate the price of flooring for each room .	Students to produce maths art work which will be displayed on walls.	Interactive games to improve memory and recognition.	Students will have access to ICT suite to research and present findings	Access to revision websites such as BBC Bitesize, Mathseffect.