

Meadow Park School - Curriculum Map 2021-2022



Key Stage	Year Group	Subject	Teacher	Programme of Study		
KS4	11	Maths	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)
<ul style="list-style-type: none"> Equations Compound measures Pythagoras Theorem 		<ul style="list-style-type: none"> Linear Graphs Inequalities Transformations and vectors 	<ul style="list-style-type: none"> Formulae and kinematics Indices and standard form Graphical Functions 	<ul style="list-style-type: none"> Volume and surface area Simultaneous equations Trigonometry 	Revision	Revision
Assessment Tasks		Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Task	Assessment Tasks
Investigate the connection between right angles adjacent opposite and hypotenuse lengths		Inequality street task Students pick sweets at random and determine if the question inside is correct or incorrect	Indices Maze Students create their own mazes using indices and standard form.	Wrapping present task Students will measure the surface area of numerous items and limit the amount of waste paper	Walking Talking Mock Past Papers Revision Sessions	Walking Talking Mock Past Papers Revision Sessions
Tim Howards goal Students will investigate the power Tim Howard kicked the ball to score a goal.		Transformations of words Students transform shapes to make posters of important mathematical words.	Creating formula Students will create formulas by creating their own shorthand language	Calculating prices task Students will have to calculate unknown values from shop receipts/menus.	Walking Talking Mock Past Papers Revision Sessions	Walking Talking Mock Past Papers Revision Sessions
Personal Development/CEIAG		Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG
Looking at what grades are needed for different college courses/careers so that students can set realistic but aspirational		Exploring how prominent both Maths and English are in most jobs. Allowing students to investigate what type of	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	Students will look at how maths can help them eat and drink healthier by look at nutritional information
Reading & Writing		Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing
Students will evidence their findings from their investigation into Pythagoras Theorem		Students will be encouraged to use mathematical words wherever possible.	Students will explore the solar system to find distances before converting to standard form.	Students will be encouraged to use mathematical words wherever possible.	Have access to a range of revision materials.	Have access to a range of revision materials.
Speaking & Listening		Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening
Students will work in pairs to articulate encouraging/challenging each others language.		Students will discuss their findings with one another.	Discussing how deductions in salaries are calculated.	Students will discuss their findings with one another.	Rally and coach revision techniques Walking talking mock examples	Rally and coach revision techniques Walking talking mock examples
Numeracy & Mathematical Reasoning		Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning
Introduction of maths triangles to help derive formula.		Introduction of new mathematical content and encouraged to find equations using investigative approach.	Encouraged to use mathematical terminology	Encouraged to use mathematical terminology	Revision mats, Functional skills questions	Revision mats, Functional skills questions

Creative Media	Creative Media	Creative Media	Creative Media	Creative Media	Creative Media
Students will have access to ICT suite to research and present findings	Students will have access to ICT suite to research and present findings	Students will have access to ICT suite to research and present findings	Students will have access to ICT suite to research and present findings	Access to ipads/laptops for revision content	Access to ipads/laptops for revision content