

[Maths] [3A] Programme of Study 2018-2019

Term	Wk	W/C	Theme	Topic	Assessment Objectives	Notes	
Autumn 1	1	3/9/18	Theme 1 Ambition (decision making/ leadership skills)	Introduction		Monday: Training Day Tuesday: New students in Wednesday: All students in	
	2	10/9/18		Theme 2 Rule of Law (responsibility)	The Problem with Numbers Socratic question: <i>Why do we need numbers?</i> Explore the history of the number system and symbols, the abstraction of numbers and how to visualise them. Explore non-whole numbers, Pascal's triangle, Roman numerals, etc...	Place Value, Operations, Multiples/Factors, Roman, Fractions And Decimals, Algebra	
	3	17/9/18					
	4	24/9/18					
	5	1/10/18	Theme 3 Optimism (learning from mistakes)		Event Planning Maths Socratic question: <i>Could I make a living off selling cakes?</i> Plan all elements of a bake sale event to take place in school at the end of the term. Include life financial planning.	Place Value, Operations, Measurement, Reading Scale, Time, Operations, Proportion, Money, Percentages, Ratio	
	6	8/10/18					
	7	15/10/18				Friday: Training Day	
	8	22/10/18					
				Half Term			
Autumn 2	9	5/11/18	Theme 3 Optimism (learning from mistakes)	Artistic Maths	Shape, Angles, Symmetry, Fractions,		
	10	12/11/18					Friday: Data Point Deadline

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	11	19/11/18		Socratic question: <i>Can maths be beautiful?</i>	Proportion, Shape Translation	
	12	26/11/18		Design of a mascot/character within specific parameters.		
	13	3/12/18	Theme 4 Tolerance (political and cultural awareness)	Maths Problems From Around The World Socratic question: <i>Is maths just a puzzle?</i> (e.g. Sudoku, code breaking, sequences)	Strategy, Problem Solving, Reasoning, Algebra	
	14	10/12/18				
	15	17/12/18				Friday: Christmas Holidays
			Christmas			
Spring 1	16	7/1/19	Theme 5 Devotion (work ethic)	Creative Maths Socratic question: <i>Could we our school exist without out maths?</i> Create an exact model of the school and a detailed plan of the dream classroom in school	Place Value, Operations, Measurement, Shape, Area, Perimeter, Scale Diagrams, Co-Ordinates	
	17	14/1/19				
	18	21/1/19				
	19	28/1/19				
	20	4/2/19				
	21	11/2/19	Theme 6 Versatility (flexibility and adaptability)	Maths Of War Socratic question: <i>Which was the 'worst' war?</i> Develop understanding of previous conflicts through maths and create a strategy for future wars.	Place Value, Operations, Money	

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Half Term								
Spring 2	22	25/2/19	Theme 7 Compassion (communication skills)	Thrifty Maths Socratic question: <i>Financially, is this the most valuable topic?</i> Calculate best deal and price for range of items. Explore some business/economics issues	Place Value, Operations, Probability, Statistics, Data, Percentages	Monday: Training Day		
	23	4/3/19				Careers Week		
	24	11/3/19		Friday: Data Point Deadline				
	25	18/3/19						
	26	25/3/19						
	27	1/4/19	Theme 8 Innovation (problem solving/ critical thinking skills)	Maths Around Us Socratic question: <i>Can maths save lives?</i> Solve a range of real-world maths in context problems using information required.	Place Value, Operations, Measurement, Percentages, Fractions, Decimals, Statistics			
Easter								
Summer 1	28	22/4/19		Theme 9 Democracy (listening and teamwork skills)		Maths Out Of This World Socratic question: <i>Does maths exist in space?</i> Solve a range of space-theme maths in context problems using information required. This includes design a space theme park, measuring the distance from stars, creating a to-scale solar system	Place Value, Operations, Measurement, Percentages, Fractions, Decimals, Standard Index Form, Scales, Proportion	Monday: Bank Holiday
	29	29/4/19						
	30	6/5/19		Monday: Bank Holiday Tuesday: Training Day				
	31	13/5/19						
	32	20/5/19						

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Summer 2	33	3/6/19	Theme 10 Respect (networking and interpersonal skills)	Magic Maths Socratic question: <i>Can maths be magical?</i> Given a range of maths number tricks, students to solve why magic number tricks work.	Place Value, Operations, Algebra, Probability, Reasoning	
	34	10/6/19				Wednesday: Data Point Deadline
	35	17/6/19				
	36	24/6/19				
	37	1/7/19	Theme 11 Individual Liberty (independence)	Sport Maths Socratic question: <i>Can maths win you games?</i> Explore a range of sport related maths problems and devising strategies for winning.	Place Value, Operations, Algebra, Statistics, Data, Area, Perimeter, Probability, Percentages.	Thursday: Transition Day 1
	38	8/7/19				Thursday: Transition Day 2
	39	15/7/19				Activity Week
	40	22/7/19				Wednesday, Thursday, Friday: Holiday Club
			Theme 12 Happiness (stress and conflict management)	Summer		