Year 9 Mathematics Summer Term Overview

Mr Bees

Week beginning	Lesson 1	Lesson 2	Lesson 3	Lesson 4
20th April	Review of work on negative numbers		Review of work on decimals and rounding	
27th April	Review of work on angles and geometry		Review of work on shapes and solids	
4th May	Review of work on area of shapes		Review of work on proportional reasoning	
11th May	Converting between fractions and percentages, finding percentages of a quantity and increasing or decreasing quantities by percentages			
18th May				
25th May	Half-term holiday			
1st June	Reading scales, estimating and using measurements for length, weight and capacity and converting between different metric measurements and solving problems involving measurements			
8th June				
15th June	Looking at square, cube and triangular numbers, finding square and cube roots and looking at the order of operations within calculations including the use of brackets			
22nd June				
29th June	Measurements of typicality including the mean, representing data using pie charts, reading pie charts and using line graphs requiring scaling.			
6th July				
13th July	Activities week and review of year			

Mr McClusky

Week beginning	Lesson 1	Lesson 2	Lesson 3	Lesson 4
20th April	Review of work on negative numbers		Review of work on decimals and rounding	
27th April	Review of work on parallel lines and angles		Review of work on algebraic thinking	
4th May	Review of work on fraction arithmetic		Review of work on solving equations	
11th May	Generating and describing sequences using term to term rules, generating and describing sequences using position to term rules (nth term rules) and creating formulae from patterns			
18th May				
25th May	Half-term holiday			
1st June	Using coordinates with four quadrants, writing equations of both vertical and horizontal lines, reflecting shapes and identifying mirror lines, translating shapes using vectors and rotation			
8th June				
15th June	Defining 3D solids using their properties, representing solids using isometric drawing, looking at solids from different viewpoints and constructing plan and elevational drawings of solids			
22nd June				
29th June	Using mean, medians and mode including finding missing data and looking at their limitations, using the range to look at the spread of data and calculating averages from frequency tables			
6th July				
13th July	Activities week and review of year			

Mrs Joseph and Mr Storey

Week beginning	Lesson 1	Lesson 2	Lesson 3	Lesson 4
20th April	Review of work on proof		Review of work on straight line graphs	
27th April	Review of work on circumference and perimeter		Review of work on geometry and angles	
4th May	Review of work on compound measures		Review of work on probability	
11th May	Calculating the areas of composite shapes, deriving and using the formulae for the areas of both parallelograms and trapeziums, finding the area of circles and composite shapes involving circles			
18th May				
25th May	Half-term holiday			
1st June	Understanding volume and solving problems involving the volume of cuboids, prisms and cylinders and looking at methods for calculating surface areas of cuboids, prisms and cylinders			
8th June				
15th June	Finding the relationship between the sides of right-angled triangles, using Pythagoras' theorem to calculate lengths of hypotenuses and other sides and proving whether triangles are right angled			
22nd June				
29th June	Understanding the differences between discrete and continuous data, representing and finding averages of continuous data in grouped frequency tables, looking at correlation using scatter graphs			
6th July				
13th July	Activities week and review of year			

Mr Bullock and Mr Ahluwalia

Week beginning	Lesson 1	Lesson 2	Lesson 3	Lesson 4
20th April	Review of work on quadratic equations		Review of work on direct and inverse proportion	
27th April	Review of work on enlargement and similarity		Review of work on trigonometry	
4th May	Review of geometric and quadratic sequences		Review of work on sets and probability	
11th May	Scale drawings, looking at how scales are used on maps, reading and solving problems involving bearings, understand what is meant by a locus and solving loci problems using constructions			
18th May				
25th May	Half-term holiday			
1st June	Calculating cumulative frequencies, drawing graphs of cumulative frequencies, calculating median and quartiles form graphs and sets of data and comparing data using box and whisker charts			
8th June				
15th June	Using formulae for the volumes of pyramids, cones and spheres, calculating surface areas of pyramids, cones and spheres and defining frustums and calculating their volumes and surface areas			
22nd June				
29th June	Understanding the difference between line segments and vectors, using vector notation, writing vectors and solving geometry problems involving midpoints, ratios and vectors			
6th July				
13th July	Activities week and review of year			