

Maths Year 7 Learning Journey 2024-2025

Week	Date	Key Constructs	Topic	Assessment
1(Thurs)	05.09.24	Number: Four operations Types of number Negative numbers BIDMAS	<ul style="list-style-type: none"> Using methods for mental arithmetic. Using written methods for adding and subtracting integers. Using written methods for multiplying and dividing integers. Understanding factors and finding Highest Common Factors. Understanding multiples and finding Lowest Common Multiples. Understanding prime numbers. Understanding and finding square numbers, square roots and cube numbers. Calculating with positive and negative numbers. Understanding and using BIDMAS. 	Baseline Test Introduction to Sparx
2	09.09.24			
3	16.09.24			
4	23.09.24			
5	30.09.24	Data: analysing and representation	<ul style="list-style-type: none"> Finding the mode, median and range. Collecting data and displaying it in bar charts. Understanding how to group data. Using averages to compare data. 	
6	07.10.24			
7	14.10.24			
8	21.10.24		Revision for End of Half Term Assessment Assessment RAP	End of Half Term Assessment
Half term				
9	04.11.24	Working with shapes	<ul style="list-style-type: none"> Describing and drawing parallel lines, perpendicular line, right angles. Using notation for parallel lines, lines of equal length and right angles. Recognising types of angles Finding and using properties of triangles, quadrilaterals and other regular polygons. Recognising reflective symmetry. Recognising rotational symmetry. 	Unit Review
10	11.11.24			
11	18.11.24	Coordinates and transformations	<ul style="list-style-type: none"> Working with coordinates in all four quadrants. Identifying the properties of translating shapes. Identifying the properties of reflecting shapes. Identifying the properties of rotating shapes. Being able to translate, reflect and rotate shapes. Understanding and using the terms object and image. 	Unit Review
12	25.11.24			
13	02.12.24	Probability	<ul style="list-style-type: none"> Carrying out simple probability experiments. Understanding and using the probability scale 0-1. Understanding that the probabilities of all possible outcomes sum to 1 Understanding chance, randomness, fairness and equally and unequally likely outcomes. Calculating the probability of a single event. 	
14	09.12.24			

15	16.12.24		Revision for EOT Assessment Assessment RAP	End of Term Assessment
CHRISTMAS				
16	06.01.25	Introduction to Algebra	<ul style="list-style-type: none"> Using and interpreting algebraic notation. Understanding and using algebraic vocabulary of expression, equations, inequalities, terms and factors. Using and creating word formulae. Simplifying algebraic expressions by collecting like terms; expanding single brackets; taking out common factors. Substituting values into expressions. Solving simple equations by using the relationships between operations and their inverses. 	Unit Review
17	13.01.25			
18	20.01.25	Sequences	<ul style="list-style-type: none"> Generating terms of a sequence from a term-to-term rule. Generating terms of a sequence from a position-to-term rule. Recognising geometric sequences and other special sequences. 	Unit Review
19	27.01.25			
20	03.02.25	Fractions	<ul style="list-style-type: none"> Arranging fractions in order. Using the number line for ordering fractions. Understanding and using the inequality symbols. Finding equivalent fractions. Using addition and subtraction applied to proper fractions. Multiplying and dividing integers and proper fractions. Calculating fractions of amounts. Using a calculator to calculate results accurately and then interpreting them appropriately. Expressing one quantity as a fraction of another, where the fraction is less than 1. 	Unit Review
21	10.02.25			
Half Term				
22	24.02.25	Place value and rounding	<ul style="list-style-type: none"> Understanding and using place value for decimals. Arranging decimals in order. Using the number line for ordering decimal. Working interchangeably with terminating decimals and their corresponding fractions (such as 0.375 and $\frac{3}{8}$). Using units of mass, length, time, money and other measures, including with decimal quantities. Round numbers and measures to an appropriate degree of accuracy (for example, to a number of decimal places). 	Unit Review
23	03.03.25			
24	10.03.25	Working with decimals	<ul style="list-style-type: none"> Understanding and using place value for decimals, measures and integers. Multiplying by 10, 100 and 1000. Dividing by 10, 100 and 1000. Adding and subtracting decimals. Multiplying and dividing decimals. Using units of mass, length, time and money with decimal quantities. 	Unit Review

25	17.03.25	Percentages	<ul style="list-style-type: none"> Understanding percentages as “number of parts per hundred”. Expressing one quantity as a percentage of another. Calculating percentages of amounts. Converting between fractions, decimals and percentages. Comparing two quantities using percentages. 	Unit Review
26	24.03.25	Ratio and Proportion	<ul style="list-style-type: none"> Using ratio notation. Reducing ratios to their simplest form. Expressing the sizes of two quantities in ratio form. Sharing in a given ratio. Solving proportion problems using the unitary method. 	
27	31.03.25			
EASTER				
28(BH)	21.04.25		Revising for Annual Exam.	Annual Exam
29	28.04.25		Annual Exam.	
30(BH)	06.05.25		RAP/ addressing misconceptions	
31	12.05.25	Functional maths	<ul style="list-style-type: none"> Practising problem-solving tasks, to encourage independent investigation, such as Bowland Tasks. 	
32	19.05.25	Measurements	<ul style="list-style-type: none"> Understanding and converting between metric units of mass. Understanding and converting between metric units of volume. Reading and interpreting measuring scales. 	
Half term				
33	02.06.25	Area and perimeter	<ul style="list-style-type: none"> Calculating the perimeter of a rectangle. Calculating the area of a rectangle. Finding the area of a triangle. Finding the area and perimeters of compound shapes, made from rectangles and triangles. 	Unit Review- measurements and area and perimeter
34	09.06.25			
35	16.06.25	Angles	<ul style="list-style-type: none"> Understanding and using the angle sum properties of straight lines. Understanding and using the angle sum properties around a point. Understanding and using vertically opposite angles. Using the sum of angles in a triangle to find missing angles. Calculating angles in a quadrilateral. 	Unit Review
36	23.06.25			
37	30.06.25	Functional maths	Bowland tasks.	
38	07.07.25	Functional maths	Farm Project.	
39	14.07.25		Activities week.	

Name:		Autumn	Spring	Summer
Subject Target:		Flightpath		
Annual Exam Grade:		BFL		

Date	Assessment	% score	Action (s) to make progress
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	Baseline Test		
	End of Half Term Assessment		
	Working with shapes		
	Coordinates and transformations		
	End of Term Assessment		
	Introduction to algebra		
	Sequences		
	Fractions		
	Place value and rounding		
	Working with decimals		
	Percentages		
	Annual Exam		
	Measurements, area and perimeter		
	Angles		