

Maths Spiral Planning Framework Year 5

Areas – percentage comes in NTs during Spring term

Mixed numbers and convert comes in Autumn term

Multiplying fractions is summer 2 on map but in spring term test

Term	Focus			
Autumn 1	Weeks 1-2 Number, Place Value	Weeks 3- 4 Addition and Subtraction	Week 5 Measure	Weeks 6-7 Multiplication and Division
Autumn 2	Week 8 Number, Place Value	Week 9-10 Multiplication and Division	Weeks 11-12 Fractions (Decimals)	Week 13 Statistics
		Square and cube		
Spring 1	Week 14-15 Addition and Subtraction	Week 16-17 Geometry	Week 18 Measure	
Spring 2	Week 19-20 Multiplication and Division	Week 21 -22 Fractions (Decimals)	Week 23 Fractions	
Summer 1	Week 24 Number, Place Value	Week 25-27 Measure, area and volume	Weeks 28-30 Geometry	Weeks 31 Fractions
Summer 2	Week 31-32 Four operations recap	Weeks 33-34 Fractions	Week 35-37 Revision	

Year 5 Coverage for starter activities (linked to NTS expectations)

Questions – what dates for the NTS?

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	- Compare and order numbers to 10,000; - read and write numbers to 10,000 in numerals and word; 10/100 more 10/100 less	- Multiplying and dividing by 10,100 including decimals; - data questions (sum and difference) using bars and tables.	- Problems using counting in 6,7,9,25 and 1,000; - Factors and multiples and primes; - roman numerals to 1000	- converting units of time; - duration of time;	- multiply fractions - convert mixed number fractions	
2	- Missing number problems with addition and subtraction; - use multiplication facts for 3,4 and 8s; - use inverse operations to answer problems	- Square and cube numbers; - Balanced equations problems	Rounding to nearest 10,100,1000;	- Recognise 2d and 3d shapes; - Problems using timetables;	- Percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$, $\frac{3}{4}$ and those with denominator of a multiple of 10 or 25. - Number sequences up to 1,000,000;	

3	• Mental addition and subtraction of near numbers; • use place value to multiply and divide mentally including 0,1 and multiplying 3 numbers; •	• Convert mixed numbers and improper fractions	• Multiplying using the distributive law; • multiply and divide numbers by 10,100 and 1000; • decimal equivalents 10th and 100ths;	• reflection and translation of a shape; • co-ordinates in 4 quadrants;	• square and cube number problems; • round decimal number up to 2 dp; • compare and order fractions with the same and different multiple denominators; •	
4	• Recognise, find and write fractions of a set of objects; • add and subtract fractions with the same denominator; • recognise families of equivalent fractions	• coordinates	• Fractions of a number; • Balanced equation problems •		• Converting measure of ml/l, mm/cm/km, g/kg • Estimate volume and compare volume • Angles on a point and a line	
5	• Recognise a right angle and right angles in a turn; • properties of shape; co-ordinates; • plot points of a polygon	•	•			

6	• Add and subtract money; • times table facts to 12; •	•	•			
7	• Perimeter of rectangles; • mental addition of 3 numbers;	•	•			
	•	•	•			