Thrumpton Primary Academy

Maths Curriculum

Thrumpton
Primary Academy

Nursery/Reception – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Geometry - colours, sorting, pattern Measurement – language of size Place Value – Counting principles, comparing groups						
Autumn 2	Place Value – Numbers to 5 Addition and Subtraction – Sorting Place Value – Comparing groups Addition and Subtraction – Change within 5 Measurement - Time						
Spring 1	Place Value – Numbers to 6 Addition and Subtraction – Numbers to 5 Place Value – Numbers to 10 Addition and Subtraction – Addition to 10 Geometry – Shape and Space						
Spring 2							
Summer 1	Geometry – Shape and space Measurement – Measure Shape and Space – Positional language						
Summer 2	Geometry – Exploring patterns Addition and Subtraction – Count on and back Place Value – Numbers to 20 Multiplication and Division – Numerical patterns Measurement - Measure						

Year 1 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Number: Place Value (Numbers to 10)				Number: Place Value (Numbers to 20) Consolidation and reasoning		Geometry: Shape
Autumn 2	Calculations: Addition and Subtraction (Numbers to 10)				Calculations: Addition and Subtraction (Numbers to 20)		
Spring 1	Calculations: Addition and Subtraction (Numbers to 20)		Number: Place value (Numbers to 50) (including multiple of 2, 5 and 10)				
Spring 2	Measurement: Length and Height			Measurement: Weight (mass) and Volume (capacity)		Project Week	
Summer 1	Calculations: Multiplication and Division			Fractions			
Summer 2	Geometry: Position and Direction (ordinal numbers)	Number: Place Value (numbers to 100)		Measurement: Money	Measurement: Time		Intervention

Year 2 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Number: Place Value (numbers to 100)			Calculations: Addition and Subtraction			
Autumn 2	Calculations: Addition and Subtraction	Calculation: Multiplication and Division				Fractions	
Spring 1	Fractions		Measurement: Money		Geometry: Properties of shape		
Spring 2	Statistics		Measurement: Length and Height	Position and Direction		Project Week	
Summer 1	Time		Mass, Capacity and Temperature				
Summer 2	Mathematical Investigations						

Year 3 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Number: Place value (numbers to 1000)			Calculations: Addition and Subtraction			
Autumn 2	Calculations: Addition and Subtraction	Calculations: Multiplication and Division					
Spring 1	Measurement: Money	Statistics: Bar Charts and Pictograms		Measurement: Length and perimeter			
Spring 2	Fractions						
Summer 1	Measurement: Time			Revision/Interventions	Project Week		
Summer 2	Geometry: Properties of shapes		Measurement: Mass and Capacity			NFER	Interventions

Year 4 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Number: Place value (numbers to 10 000)				Calculations: Addition and Subtraction (numbers to 10 000)		
Autumn 2	Measurement: Length and perimeter	Calculation: Multiplication and Division					
Spring 1	Measurement: Area	Fractions					
Spring 2	Decimals					Time	
Summer 1	Measurement: Money		Statistics: Graphs		PROJECT		
Summer 2	Geometry: Properties of shapes			Geometry: Position and Direction	Number: Roman Numerals	NFER	Interventions

Year 5 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Number: Place Value (numbers to 1 000 000)			Calculations: Addition and Subtraction		Statistics	
Autumn 2	Calculations: Multiplication and Division					Measurement: Perimeter and Area	
Spring 1	Fractions						
Spring 2	Decimals			Percentages			
Summer 1	Geometry: Properties of shapes			Geometry: Position and Direction	Measurement: Revision Perimeter and Area		
Summer 2	Measurement: Converting Units		Measurement: Volume	Revision/Intervention	2020 SATS Assessment	Gap Analysis & Interventions	

Year 6 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Number and Place Value	Calculations: The four operations			Fractions		
Autumn 2	Assessment	Decimals			Measurement: Converting units	Percentages	
Spring 1	Measurements: Perimeter, Area and Volume			Geometry: Properties of Shapes Geometry: Position and Direction		Negatives	
Spring 2	Statistics		Ratio		Assessment	Algebra	
Summer 1	Bespoke Revision			SATS WEEK			
Summer 2	Transition Maths						

Year 6 – Small Steps

Number and Place Value
• Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit • Round any whole number to a required degree of accuracy
Calculations: The four operations
• Add and subtract whole numbers • Multiply up to a 4-digit number by a 2-digit number • Short division • Long Division • Factors, multiples and primes • Squares and cubes • BIDMAS • Mental calculations and estimation • Reasoning from known facts
Fractions
• Simplify fractions • Fractions on a number line • Compare and order fractions (using numerator and denominator) • Add and subtract fractions • Multiply fractions by a whole number • Multiply fractions by a fraction • Divide a fraction by a whole number • Fraction of an amount
Decimals
• Three decimal places • Multiply by 10, 100 and 1000 • Divide by 10, 100, 1000 • Multiply decimals by integers • Divide decimals by integers • Decimals as fractions • Fraction to decimals

Converting Units

- Metric measures
- Converting metric measures
- Calculate with metric measures
- Mile and kilometres
- Imperial measures

Percentages

- Fraction to percentages
- FDP equivalence
- Percentage of amount
- Percentages – missing value
- Percentage increase and decease
- Order FDP

Negative Numbers

- Use negative numbers in context
- Calculate intervals across zero

Perimeter, Area and Volume

- Shapes – same area different perimeters and vice versa
- Area and perimeter
- Area of a triangle
- Area of a parallelogram
- Volume – counting cubes
- Volume of a cuboid

Properties of shapes

- Measure with a protractor
- Introduce angles
- Calculate angles
- Vertically opposite angles
- Angles – triangles
- Angles – special cases
- Find missing angles
- Angles – quadrilateral
- Angles – regular polygons
- Draw shapes
- Draw nets

Position and direction
• Coordinates in the first quadrant • Plotting coordinates • Translations • Reflections • Reasoning about shape with coordinates
Ratio
• Using ratio language • Ratio and fractions • Introduce the ratio symbol • Calculating ratio • Using scale factors • Ratio and proportion problems
Algebra
• Find a rule – one step • Find a rule – two step • Use an algebraic rule • Substitution • Formulae • Word problems • Solve simple one step equations • Solve two step equations
Statistics
• Read and interpret line graphs • Draw lines graphs • Use line graphs to solve problems • Circles • Read and interpret pie charts • Pie charts with percentages • Draw pie charts • The mean