Year 4 Overview

Week	Term 1	Term 2	Term 3	Term 4	
1	**Whole Numbers** Read and represent numbers to 100 000. Understand and compare place value.	**Fractions** Understand mixed numerals and how to place fractions on a number line.	**Equivalent Fractions** Make equivalent fractions and recognise fraction families.	**Decimals** Convert between decimals and fractions. Place decimals on number lines.	
2	**Whole Numbers** Compare and round off numbers.	**Fractions** Compare fractions using pictures and diagrams.	**Mixed Operations** Learn the division facts. Use mental calculation strategies to solve divisions.	**Decimals** Explore decimals as place value.	
3	**Addition and Subtraction** Use mental and written addition and subtraction strategies.	**Multiplication** Learn the times tables and understand factors and multiples.	**Mixed Operations** Explore patterns to find rules for operations with odd and even numbers.	**Decimals** Compare decimals and use decimal notation in currency problems.	
4	**Addition and Subtraction** Find unknown numbers in addition and subtraction equations. Understand how vertical algorithms work.	**Multiplication** Find equivalent multiplication facts and multiply by multiples of 10, 100, 1000.	**Mixed Operations** Learn halving and doubling strategies for mental calculations.	**Word Problems** Interpret and calculate the answers to word problems.	
5	**Addition and Subtraction** Solve addition and subtraction word problems using mental and written strategies.	**Multiplication** Use mental calculation strategies to solve multiplication problems.	**Mixed Operations** Explore patterns in multiplication.	**Word Problems** Solve word problems.	**Maps** Learn about the compass, and map scales and legends.
6	**2D Shapes** Compose 2D shapes to make larger shapes and split 2D shapes into smaller shapes. Identify the 2D shapes.	**2D Space** Investigate rotation, symmetry and tessellation with 2D shapes.	**Angles** Classify angles from acute to a revolution. Compare angles relative to right angles.	**Maps** Interpret maps using a compass, scale and legend.	
7	**3D Objects** Explore the features of 3D objects and their classifications. Investigate different views of 3D shapes.				

Term 1

Topic	Whole numbers		Addition & Subtraction			2D & 3D	
Content	Read and represent numbers to 100 000. Understand and compare place value. Compare and round off numbers.		Use mental and written addition and subtraction strategies. Find unknown numbers in equations. Understand how vertical algorithms work. Solve addition and subtraction word problems using mental and written strategies.			Compose 2D shapes and split 2D shapes. Identify 2D shapes. Explore the features of 3D objects. Investigate different views of 3D shapes.	
Curriculum	**MA2-RN-01** applies an understanding of place value and the role of zero to represent numbers to at least tens of thousands		**MA2-AR-01** selects and uses mental and written strategies for addition and subtraction involving 2- and 3-digit numbers **MA2-AR-02** completes number sentences involving addition and subtraction by finding missing values			**MA2-2DS-01** compares two-dimensional shapes and describes their features **MA2-2DS-02** performs transformations by combining and splitting two-dimensional shapes **MA2-3DS-01** makes and sketches models and nets of three-dimensional objects including prisms and pyramids	
Prime Units	**Number Unit 4:** Numbers to 100 000		**Operations Unit 7:** Addition and Subtraction Strategies 2 **Operations Unit 8:** Addition & Subtraction Algorithms			**Geometry Unit 5:** Shapes and Objects	
Week	1	2	3	4	5	6	7
Online Learning Program	**Lesson:** NUM.4.1 Numbers to 100 000	**Lesson:** NUM.4.4 Comparing Numbers	**Lesson:** OPS.7.1 Addition Strategies	**Lesson:** OPS.7.4 Finding Unknown Quantities	**Assessment:** Check Up Quiz	**Lesson:** GEO.5.1 Combining 2D Shapes	**Lesson:** GEO.5.3 Classify 3D Objects
	Lesson: NUM.4.2 Place Value	**Problem Solving:** More, More, More	**Lesson:** OPS.7.2 Subtraction Strategies	**Problem Solving:** A Magic Square	**Lesson:** OPS.8.3 Word Problems: Add & Subtract	**Lesson:** GEO.5.2 Splitting 2D Shapes	**Lesson:** GEO.5.4 Views of 3D Objects
	Assessment: Check Up Quiz	**Assessment:** End of Unit Quiz	**Assessment:** Check Up Quiz	**Assessment:** End of Unit Quiz	**Problem Solving:** Problem Algorithms	**Assessment:** Check Up Quiz	**Problem Solving:** Tangram Puzzles
	Lesson: NUM.4.3 Comparing Digits	**Lesson:** NUM.5.1 Rounding Numbers	**Lesson:** OPS.7.3 Making Calculations Easier	**Lesson:** OPS.8.1 Algorithms: Addition	**Assessment:** End of Unit Quiz	**Fantastic Fact:** Strong and Shapely	**Assessment:** End of Unit Quiz
	Fantastic Fact: Shipwreck		**Fantastic Fact:** The Abacus	**Lesson:** OPS.8.2 Algorithms: Subtraction	**Fantastic Fact:** Plus and Minus Signs		
Games	Guess My Number, Sudoku		On Target, Tikku Tikku			Matchstick Puzzles – Numbers and Shapes	
Printables Library	**Year 4 Numbers, Fractions & Decimals book** Topic 1: Numbers		**Year 4 Operations and Algebra book** Topic 1: Addition and Subtraction			**Year 4 Geometry book** Topic 1: 2D and 3D	
Prime Resources	**Posters:** Place Value, Rounding		**Posters:** Addition Square **Useful Resources:** Addition Table			**Posters:** Regular and Irregular Shapes, Triangles, Quadrilateral Family Tree, 3D Objects	

Term 2

Topic	Fractions		Multiplication			2D Space
Content	Understand mixed numerals and how to place fractions on a number line. Compare fractions using pictures and diagrams.		Learn the times tables and understand factors and multiples. Find equivalent multiplication facts and multiply by multiples of 10, 100, 1000. Use mental calculation strategies to solve multiplication problems.			Investigate rotation, symmetry and tessellation with 2D shapes.
Curriculum	**MA2-PF-01** represents and compares halves, quarters, thirds and fifths as lengths on a number line and their related fractions formed by halving (eighths, sixths and tenths)		**MA2-MR-01** represents and uses the structure of multiplicative relations to 10 × 10 to solve problems **MA2-MR-02** completes number sentences involving multiplication and division by finding missing values			**MA2-2DS-01** compares two-dimensional shapes and describes their features **MA2-2DS-02** performs transformations by combining and splitting two-dimensional shapes
Prime Units	**Fractions Unit 2:** Counting Fractions		**Operations Unit 9:** Multiplication Thinking **Operations Unit 10:** Multiplication Strategies			**Geometry Unit 6:** Shape Movements
Weeks	1	2	3	4	5	6
Online Learning Program	**Lesson**: FRA.2.1 Mixed Numerals **Lesson**: FRA.2.2 Fraction Number Lines **Assessment:** Check Up Quiz **Fantastic Fact**: Tie Dye T-shirts	**Lesson**: FRA.2.3 Compare Fractions: Draw a picture **Lesson**: FRA.2.4 Compare Fractions: Diagrams **Problem Solving:** Woolly Thinking **Assessment:** End of Unit Quiz	**Lesson**: OPS.9.1 The Times Tables **Lesson**: OPS.9.2 Factors **Assessment:** Check Up Quiz **Lesson**: OPS.9.3 Multiples within 100 **Fantastic Fact:** Threes and Nines	**Lesson**: OPS.9.4 Equivalent Multiplication Facts **Problem Solving:** How many Cookies? **Assessment:** End of Unit Quiz **Lesson**: OPS.10.1 Multiplication by 10, 100, 1000 **Fantastic Fact:** Super Swimmers	**Lesson**: OPS.10.2 Mental Maths: Multiplication 1 **Assessment:** Check Up Quiz **Lesson**: OPS.10.3 Mental Maths: Multiplication 2 **Problem Solving:** Bug Racing **Assessment:** End of Unit Quiz	**Lesson**: GEO.6.1 Rotation **Lesson**: GEO.6.2 Symmetrical Designs **Assessment:** Check Up Quiz **Fantastic Fact:** Bilateral Symmetry **Lesson**: GEO.6.3 Tessellation **Problem Solving:** Symmetrical Designs **Assessment:** End of Unit Quiz
Games	Guess My Number, Sudoku		On Target, Tikku Tikku, Matchstick Puzzles – Numbers			Matchstick Puzzles – Shapes
Printables Library	**Year 4 Numbers, Fractions & Decimals book** Topic 2: Fractions		**Year 4 Operations and Algebra book** Topic 2: Multiplication			**Year 4 Geometry book** Topic 2: Shape Movements
Prime Resources	**Posters:** Fraction Number Lines		**Posters**: Times tables 2× to 12×, Multiplication Table, Properties of Multiplication **Useful Resources**: Multiplication Resources			**Posters:** Symmetry, Rotation, 2D Shape Movements

Topic	Equivalent Fractions	Mixed Operations				Angles
Content	Make equivalent fractions and recognise fraction families.	Learn the division facts. Use mental calculation strategies to solve division problems. Explore patterns to find rules for operations with odd and even numbers. Learn halving and doubling strategies for mental calculations. Explore patterns in multiplication.				Classify angles. Compare angles relative to right angles.
Curriculum	**MA2-PF-01** represents and compares halves, quarters, thirds and fifths as lengths on a number line and their related fractions formed by halving (eighths, sixths and tenths)	**MA2-MR-01** represents and uses the structure of multiplicative relations to 10 × 10 to solve problems				**MA2-GM-03** identifies angles and classifies them by comparing to a right angle
Prime Units	**Fractions Unit 3:** Equivalent Fractions	**Operations Unit 11:** Division Strategies **Operations Unit 12:** Operations with Odd & Even Numbers **Operations Unit 13:** Multiplication Patterns				**Geometry Unit 7:** Angles
Week	1	2	3	4	5	6
Online Learning Program	**Lesson**: FRA.3.1 Equivalent Fractions: Diagrams	**Lesson**: OPS.11.1 Division Facts	**Problem Solving:** Okapi Operations	**Lesson**: OPS.12.3 Doubling	**Lesson**: OPS.13.1 Multiplication Number Sequences	**Lesson**: GEO.7.1 Types of angles 1
	Lesson: FRA.3.2 Fraction Families	**Lesson**: OPS.11.2 Mental Maths: Division Strategies 1	**Assessment:** End of Unit Quiz	**Lesson**: OPS.12.4 Halving	**Lesson**: OPS.13.2 Multiplication Patterns in 100 Square	**Lesson**: GEO.7.2 Types of angles 2
	Assessment: Check Up Quiz **Fantastic Fact:** The Largest Slice	**Assessment:** Check Up Quiz	**Lesson**: OPS.12.1 Odds & Evens in Addition & Subtraction	**Problem Solving:** An Age Old Problem	**Assessment:** Check Up Quiz **Fantastic Fact:** The Multiplication Symbol	**Assessment:** Check Up Quiz **Fantastic Fact:** The Pointy End
	Lesson: FRA.3.3 Convert Fractions: Count the Parts	**Lesson**: OPS.11.3 Mental Maths: Division Strategies 2	**Lesson**: OPS.12.2 Odds and Evens in Multiplication	**Assessment:** End of Unit Quiz	**Lesson**: OPS.13.3 The Multiplication Chart	**Lesson**: GEO.7.3 Classifying Angles
	Problem Solving: Reward Cards **Assessment:** End of Unit Quiz	**Fantastic Fact:** Fuel for Flight	**Assessment:** Check Up Quiz	**Fantastic Fact:** Ones and Zeros	**Problem Solving:** Timing is Everything **Assessment:** End of Unit Quiz	**Problem Solving:** Equation Angles **Assessment:** End of Unit Quiz
Games	Guess My Number	Sudoku, On Target, Tikku Tikku, Matchstick Puzzles – Numbers				Matchstick Puzzles – Shapes
Printables Library	**Year 4 Numbers, Fractions & Decimals book** Topic 3: Equivalent Fractions	**Year 4 Operations and Algebra book** Topic 3: Division Topic 4: Patterns and Algebra				**Year 4 Geometry book** Topic 3: Angles
Prime Resources	**Posters:** Fraction Number Lines, Fraction Wall	**Posters:** Multiplication Table, Division Strategies, Adding Even and Odd Numbers, Multiplying Even and Odd Numbers, Doubling and Halving, Multiplication Square				**Posters:** Angles
	Useful Resources: Fractions	**Useful Resources:** Hundred Chart				

Term 4

Topic	Decimals			Word Problems		Maps
Content	Convert between decimals and fractions. Place decimals on number lines.		Explore decimals as place values. Compare decimals and use decimal notation in currency problems.	Interpret and calculate the answers to word problems. Solve word problems.		Learn about the compass, and map scales and legends. Interpret maps.
Curriculum	**MA2-RN-02** represents and compares decimals up to 2 decimal places using place value		**MA2-RN-02** represents and compares decimals up to 2 decimal places using place value	**MA2-MR-01** represents and uses the structure of multiplicative relations to 10 × 10 to solve problems **MA2-RN-02** represents and compares decimals up to 2 decimal places using place value		**MA2-GM-01** uses grid maps and directional language to locate positions and follow routes
Prime Units	**Fractions Unit 4:** Decimal Fractions		**Number Unit 5:** Numbers & Decimals	**Operations Unit 14:** Word Problems		**Geometry Unit 8:** Maps

Week	1	2	3	4	5	6
Online Learning Program	**Lesson:** FRA.4.1 Tenths and Hundredths	**Problem Solving:** Fraction Robot	**Lesson:** NUM.5.3 Compare Decimals	**Lesson:** OPS.14.1 Word Problems: Multiplication	**Problem Solving:** Wolf vs Rabbit	**Assessment:** Check Up Quiz **Fantastic Fact:** The Compass
	Lesson: FRA.4.2 Converting Fractions and Decimals	**Assessment:** End of Unit Quiz	**Lesson:** NUM.5.4 Money in Decimals	**Lesson:** OPS.14.2 Word Problems: Division	**Assessment:** End of Unit Quiz	**Lesson:** GEO.8.3 Using a Map
	Assessment: Check Up Quiz **Fantastic Fact:** Humpback Whales	**Fractions End of Grade Quizzes** Part 1: Knowledge and Skills Part 2: Application	**Problem Solving:** First and Last	**Assessment:** Check Up Quiz	**Operations End of Grade Quizzes** Part 1: Knowledge and Skills Part 2: Application	**Problem Solving:** Delivery Route
	Lesson: FRA.4.3 Decimal Number Lines	**Lesson:** NUM.5.2 Decimal Places	**Assessment:** End of Unit Quiz	**Lesson:** OPS.14.3 Word Problems: Money	**Lesson:** GEO.8.1 Compass Directions	**Assessment:** End of Unit Quiz
	Lesson: FRA.4.4 Equivalent Fractions and Decimals	**Assessment:** Check Up Quiz **Fantastic Fact:** The Golden Ratio	**Number End of Grade Quizzes** Part 1: Knowledge and Skills Part 2: Application	**Fantastic Fact:** The Division Symbol	**Lesson:** GEO.8.2 Map Legends and Scales	**Geometry End of Grade Quizzes** Part 1: Knowledge and Skills Part 2: Application

Games	Guess My Number, Sudoku	On Target, Tikku Tikku	Matchstick Puzzles – Numbers and Shapes
Printables Library	**Year 4 Numbers, Fractions & Decimals book** Topic 4: Decimal Fractions Topic 5 Decimal Place Value		**Year 4 Geometry book** Topic 4: Maps
Prime Resources	**Posters:** Decimal Place Value		**Posters:** Compass, Grid Coordinates **Useful Resources:** 10 × 10 Coordinate Grids