

**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

Autumn term

Spring term

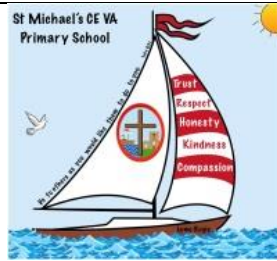
Summer term



**Unit 1  
 Number sense  
 (2-3 weeks)**



| Reception  | Year 1  | Year 2  | Year 3   | Year 4  | Year 5   | Year 6  |
|--|---|---|--|---|--|---|
| <p><b>Mathematical focus</b><br/>           -Counting<br/>           -Numbers</p> <p><b>Concepts</b><br/>           -Groups of objects<br/>           -What numbers mean to me<br/>           -Numerals 1-5<br/>           -Recording numbers using marks<br/>           -counting 1-20</p> <p><b>Vocabulary</b><br/>           1, 2, 3, 4, number, numeral, count, how many, group, all, some, altogether</p> | <p><b>Mathematical focus</b><br/>           -Number and place value<br/>           -Measurement (length)<br/>           - Measurement (time)</p> <p><b>Concepts</b><br/>           -One more, one less<br/>           -Tens and ones<br/>           -Length and height<br/>           -Days of the week</p> <p><b>Vocabulary</b><br/>           One more, the next counting number, one less, the counting, number before, ten, twenty, thirty, forty, fifty, tens, ones, equal to, more than, less than (fewer), most, least Short, shorter, shortest, long, longer, longest, tall, taller, tallest, compare Calendar, day, week, month, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday, yesterday, tomorrow, January, February, March, April, May, June, July, August, September, October, November, December</p> | <p><b>Mathematical focus</b><br/>           -Number and place value<br/>           -Statistics<br/>           -Measurement (height and length).<br/>           -Measurement (Time)</p> <p><b>Concepts</b><br/>           -How many?<br/>           -More and less.<br/>           -Tallest, longest, shortest.<br/>           -Before and after</p> <p><b>Vocabulary</b><br/>           Tens, ones, partition, greater, greatest, smaller, less, least, fewer, sort, partitioning, partitioning tree, centimetres, pence, Length, height, tall, taller, tallest, short, shorter, shortest, long, longer, longest, compare, block diagram, interpret, statistics, estimate, Time, second, minute, hour, day, week, month, timetable, compare, most, least, Monday, Tuesday</p> | <p><b>Mathematical focus</b><br/>           -Number and place value</p> <p><b>Concepts</b><br/>           - More or less<br/>           - Place value<br/>           - Comparing and ordering numbers<br/>           - Representing numbers</p> <p><b>Vocabulary</b><br/>           One, ones, ten, tens, hundreds, ten more, ten less, 100 more, 100 less, equivalent, count on, count back, multiples, twenty, thirty, forty, fifty, equal to, more than, less than (fewer), most, least, capacity, volume, litres, millilitres, represent, representations, the same as</p> | <p><b>Mathematical focus</b><br/>           -Number and place value</p> <p><b>Concepts</b><br/>           - Counting<br/>           - Place value to three digits</p> <p><b>Vocabulary</b><br/>           Multiple, zero, positive number, negative number, Place value, positional, multiplicative, additive, place holder</p> | <p><b>Mathematical focus</b><br/>           -Place value to 500 000<br/>           Multiplication and division<br/>           Fractions</p> <p><b>Concepts</b><br/>           - Comparing and ordering numbers<br/>           - Multiplying and dividing by 10, 100 and 1000<br/>           - Reading and writing decimal fractions<br/>           - Rounding, ordering and comparing decimal fractions</p> <p><b>Vocabulary</b><br/>           Hundred thousands, ten thousands, thousands, hundreds, tens, ones, kilometre, greatest, least, round, estimate, approximate, kilometres, metres, centimetres, hours, seconds, minutes, place value, converting, Base 10, Base 60, Tenths, hundredths, fractions, decimal fractions, equivalent, denominator, numerator, powers, decimal, decimal place</p> | <p><b>Mathematical focus</b><br/>           -Number and place value<br/>           -Fractions (including decimals and percentages)</p> <p><b>Concepts</b><br/>           - Comparing, ordering and rounding numbers to 5 000 000<br/>           - Multiplying and dividing by 10 and 100</p> <p><b>Vocabulary</b><br/>           Millions, hundred thousands, ten thousands, thousands, hundreds, tens, ones, round, place value, positional, multiplicative, additive, Base 10, ascending, descending, round, place value Order, compare, denominator, numerator, simplify, factors, multiples, common factor, equivalent, lowest terms, simplest form, unit fraction, non-unit fraction, decimals, percentages, denominator</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

|             |             |             |
|-------------|-------------|-------------|
| Autumn term | Spring term | Summer term |
|-------------|-------------|-------------|

8+3=11 8-3=5

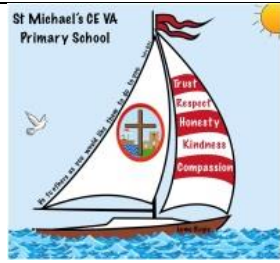


**Unit 2**  
**Additive Reasoning**  
**(2-3 weeks)**

8+3=11 8-3=5



| Reception  | Year 1   | Year 2   | Year 3  | Year 4   | Year 5   | Year 6   |
|--|--|--|---|--|--|--|
| <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Compare two groups<br/>           -More or fewer<br/>           -One more<br/>           -One less<br/>           -Ordering numbers</p> <p><u>Vocabulary</u><br/>           More than, less than, fewer than, same as, different, amount, fair, most, least, fewest, 0, 1, 2, 3, 4, first, second, third, fourth, last, next, then</p> | <p><u>Mathematical focus</u><br/>           - Number<br/>           -Addition and subtraction<br/>           -Measurement (time)</p> <p><u>Concepts</u><br/>           -More and less<br/>           -Time</p> <p><u>Vocabulary</u><br/>           add, addition, subtract, subtraction, take away, number statement, number bond, number story, number frame before, after, next, first, last, today, yesterday, tomorrow, morning, afternoon and evening</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and Subtraction<br/>           -Measurement (money)<br/>           -Statistics</p> <p><u>Concepts</u><br/>           -Fact families<br/>           -Adders<br/>           -Adding 3 numbers</p> <p><u>Vocabulary</u><br/>           Tens, ones, number bond or pair, inverse, partition, partitioning, compare, order, augend, addend, sum, total, minuend, subtrahend, difference, Digit, barrier, Add, ten, near bond, double, near double, subtract, hundreds, recombine</p> | <p><u>Mathematical focus</u><br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Mental calculations of 3-digit numbers and ones<br/>           -Written methods for addition</p> <p><u>Vocabulary</u><br/>           Addition, subtraction, augend, addend, sum, minuend, subtrahend, difference</p> | <p><u>Mathematical focus</u><br/>           - Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Making decisions on methods to use</p> <p><u>Vocabulary</u><br/>           Addition, total, sum, altogether, equal, estimate, inverse, Subtraction, Subtract, difference, equal, equivalent, partition, millimetre, centimetre</p> | <p><u>Mathematical focus</u><br/>           -Calculating</p> <p><u>Concepts</u><br/>           -Adding and subtracting mentally<br/>           -Adding and subtracting using written methods.</p> <p><u>Vocabulary</u><br/>           Pounds, pence, kilometres, add, subtract, difference, partitioning, counting on, sequencing, rounding and adjusting, doubles, near doubles, number pairs to 100, Subtraction, addition, tenth, hundredth</p> | <p><u>Mathematical focus</u><br/>           -Addition and Subtraction<br/>           -Multiplication and Division<br/>           -Algebra</p> <p><u>Concepts</u><br/>           -Calculating mental with 3 and 4 digit numbers<br/>           -Using the order of operations<br/>           -Using formulae</p> <p><u>Vocabulary</u><br/>           Operations, rounding, inverse, accuracy, estimation, Order, commutative, operation, addition, subtraction, brackets, BIDMAS (or BODMAS), orders and indices, equivalent, conversion, Algebra, expression, algebraic equation, formula, formulae, unknowns, variables, equivalence, commutative law, distributive</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

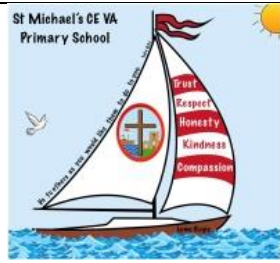


**Unit 3  
 Geometric Reasoning  
 (2-3 weeks)**



**Unit 3  
 Multiplicative Reasoning  
 (2-3 weeks)**

| Reception  | Year 1   | Year 2  | Year 3  | Year 4   | Year 5  | Year 6   |
|--|--|---|---|--|---|--|
| <p><b>Mathematical focus</b><br/>           -Geometry- properties of shapes<br/>           -Geometry- position and direction<br/>           -Time</p> <p><b>Concepts</b><br/>           -3D solid shapes<br/>           -Name that shape<br/>           -Are you behind or next to?<br/>           -Time? Sequence events</p> <p><b>Vocabulary</b><br/>           Cube, cuboid, sphere, cylinder, cone, pyramid, straight, curved, corner, flat, solid, face, next to, behind, in front, in, up, inside, on, on top, under, underneath, between, Now, later, before, after, next, after that, first, second, third (etc), last, tomorrow, yesterday, week, next week, last week, month, year, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday, January, February, March, April, May, June, July, August, September, October, November, December</p> | <p><b>Mathematical focus</b><br/>           -Geometry- properties of shapes<br/>           -Geometry- position and direction</p> <p><b>Concepts</b><br/>           -Solid shapes<br/>           -Flat shapes<br/>           -Where are you?</p> <p><b>Vocabulary</b><br/>           3-D, cube, cuboid, cylinder, edge, face, flat, pyramid, sphere, curved, straight, vertex (vertices), 2-D, rectangle, square, circle, triangle, curved, straight, side, Left, right, forwards, backwards, top, middle, bottom, behind, between, up, down, inside, outside</p> | <p><b>Mathematical focus</b><br/>           -Geometry- properties of shapes<br/>           -Geometry- position and direction<br/>           -Statistics</p> <p><b>Concepts</b><br/>           -Patterns<br/>           -Symmetry<br/>           -Quadrilaterals</p> <p><b>Vocabulary</b><br/>           Vertex, vertices, corners, semi-circle, pattern, repeat, sequence, predict, regular shapes, irregular shapes, on the left, on the right, polygon, quadrilateral, face, side, edge, Horizontal, vertical, symmetrical, line of symmetry, pentagon, hexagon, octagon, semi-circle</p> | <p><b>Mathematical focus</b><br/>           -Multiplication and Division</p> <p><b>Concepts</b><br/>           -Missing number problems<br/>           -Scaling up and down</p> <p><b>Vocabulary</b><br/>           Multiplication, division, multiplicand, multiplier, product, dividend, divisor, quotient, multiplication tables, groups of, repeated addition, repeated subtraction</p> | <p><b>Mathematical focus</b><br/>           -Number and Place value<br/>           - Multiplication and Division</p> <p><b>Concepts</b><br/>           -Counting<br/>           -Mental calculation<br/>           -Formal written methods</p> <p><b>Vocabulary</b><br/>           Multiple, multiplication, division, Commutative, associative, factor, factor pair, product, Partition, digit, number sentence, addition</p> | <p><b>Mathematical focus</b><br/>           -Multiples and factors<br/>           - Multiplication and Division</p> <p><b>Concepts</b><br/>           -Exploring multiples and factors<br/>           -Multiplying and dividing mentally<br/>           -Multiplying and dividing using written methods</p> <p><b>Vocabulary</b><br/>           Multiply, divide, multiplication, division, factor, factor pair, product, multiple, square number, cube number, dividend, divisor, quotient</p> | <p><b>Mathematical focus</b><br/>           -Addition and Subtraction<br/>           -Multiplication and Division<br/>           -Fractions (including decimals)</p> <p><b>Concepts</b><br/>           -Using long multiplication<br/>           -Calculating mentally with large numbers<br/>           -Multiplying and dividing with decimals up to two decimal places<br/>           -Solving problems with ratio and proportion</p> <p><b>Vocabulary</b><br/>           Multiplier, multiplicand, product, digit, tens, ones, solve, commutative, Operator, divisor, dividend, factorising, associative, Average, mean, quotient, Scale factor, scaling, maps, unit fractions</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

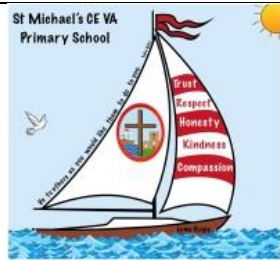


**Unit 4  
 Number Sense  
 (2-3 weeks)**



**Unit 4  
 Geometric Reasoning  
 (2-3 weeks)**

| Reception  | Year 1   | Year 2   | Year 3   | Year 4   | Year 5   | Year 6   |
|--|--|--|--|--|--|--|
| <p><b>Mathematical focus</b><br/>           -Number</p> <p><b>Concepts</b><br/>           -Objects up to 10<br/>           -Is that 10?<br/>           -Life after 10</p> <p><b>Vocabulary</b><br/>           dice, numeral, count, number, how many, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, frame</p> | <p><b>Mathematical focus</b><br/>           -Number<br/>           -Addition and subtraction<br/>           -Measurement (time)<br/>           -Measurement (length and capacity)</p> <p><b>Concepts</b><br/>           -Number patterns<br/>           -Faster, slower<br/>           -Light and heavy; full and empty</p> <p><b>Vocabulary</b><br/>           Thirty, thirty-one, thirty-two ... one hundred, tens, ones, more than, less than, row, column, Faster, slower, minute, hour, o'clock, earlier, later, one more, one less Heavy, light, heavier than, lighter than, lightest, heaviest, full, empty, more than, less than, fewer than</p> | <p><b>Mathematical focus</b><br/>           -Number and Place Value<br/>           -Measurement (weight and capacity)<br/>           -Measurement (time)</p> <p><b>Concepts</b><br/>           -How much?- weight and capacity<br/>           -Quarter past and quarter to</p> <p><b>Vocabulary</b><br/>           Inequality, inequalities, is less than &lt;, is greater than &gt;, equals, equivalent to =, inverse, measure, mass, weight, light, heavy, weighing scales, scale, grams, kilograms, capacity, volume, millilitres, litres, Clock, clock face, hour, minute, day, o'clock, half past, quarter past, quarter to</p> | <p><b>Mathematical focus</b><br/>           -Geometry (Properties of shapes)</p> <p><b>Concepts</b><br/>           -Properties of shape<br/>           -Angles</p> <p><b>Vocabulary</b><br/>           Edge, end face, base, square based, pentagonal, hexagonal, pyramid, prism, tetrahedron, vertex, vertices, polyhedron, Polygon, Right angle, greater/ less than a right angle, measure, estimate</p> | <p><b>Mathematical focus</b><br/>           -Geometry (Properties of shapes)</p> <p><b>Concepts</b><br/>           -3D and 2D shape<br/>           -Angles<br/>           -Symmetry</p> <p><b>Vocabulary</b><br/>           Acute angle, obtuse angle, right angle, degree (°), Equilateral triangle, isosceles triangle, scalene triangle, polygon, Parallelogram, quadrilateral, rectangle, rhombus, square, Symmetry, line of symmetry, reflection, reflection symmetry, symmetrical, mirror line, diagonal</p> | <p><b>Mathematical focus</b><br/>           -Geometry (Properties of shapes)</p> <p><b>Concepts</b><br/>           -Exploring 3D and 2D shapes<br/>           -Identifying angles<br/>           -Drawing angles</p> <p><b>Vocabulary</b><br/>           Regular, irregular, perpendicular, parallel, opposite, adjacent, Protractor, internal angle, vertex</p> | <p><b>Mathematical focus</b><br/>           - Geometry (Properties of shapes)</p> <p><b>Concepts</b><br/>           -Classifying 2D shapes<br/>           -Finding angles<br/>           -Describing 3D shapes and making nets.</p> <p><b>Vocabulary</b><br/>           Perimeter, area, parallelogram, base, perpendicular, Vertically opposite angles, intersect, Net, cuboid, prism, pyramid, volume, formula</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

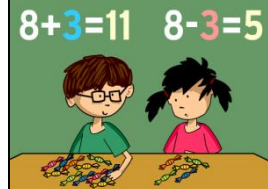
**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

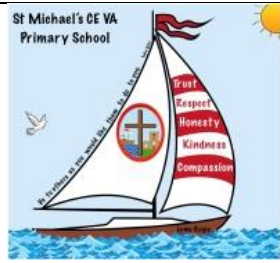


**Unit 5  
 Additive Reasoning  
 (2-3 weeks)**



**Unit 5  
 Number Sense  
 (2-3 weeks)**

| Reception  | Year 1  | Year 2   | Year 3  | Year 4  | Year 5  | Year 6   |
|--|---|--|---|---|---|--|
| <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -One more and one fewer<br/>           -What's th total?<br/>           - add and subtract two single-digit numbers (up to 10)</p> <p><u>Vocabulary</u><br/>           Numbers 0–10, one more, one less, one fewer, (total, left), and, add, +, makes, altogether, total, (take away, –, subtract, left over)</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and subtraction</p> <p><u>Concepts</u><br/>           -Adding and subtracting<br/>           -Number problems</p> <p><u>Vocabulary</u><br/>           Double, two lots, twice as many, even, odd Add, addition, augend, addend, sum, take away, subtract, subtraction, minuend, subtrahend, difference</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and subtraction<br/>           -Measurement (Money)<br/>           -Statistics</p> <p><u>Concepts</u><br/>           -Number bonds<br/>           -Shopping</p> <p><u>Vocabulary</u><br/>           Ten, multiples of ten, number bond, near bond, place value, pence (p), augend, addend, minuend, subtrahend, difference, ten frame, multiple, Money, coin, bank note, pound (£), denomination, value, worth, Add, total, sum, subtract, number line, partition, partitioning, double, change</p> | <p><u>Mathematical focus</u><br/>           -Number and place value<br/>           -Fractions</p> <p><u>Concepts</u><br/>           -Counting in steps of different sizes<br/>           -More about place value<br/>           -Tenths</p> <p><u>Vocabulary</u><br/>           Place value, multiples, more than, less than, digit, position, multiplicative, additive reasoning, equal, greater than<br/>           Fraction, tenth, half, quarter, divide, equal, whole, denominator</p> | <p><u>Mathematical focus</u><br/>           -Number and Place value</p> <p><u>Concepts</u><br/>           -Counting<br/>           -Place Value<br/>           -Roman numerals</p> <p><u>Vocabulary</u><br/>           Multiple, zero, positive number, negative number, Place value, positional, multiplicative, order, additive, greater than, less than, equal to, round, Roman numerals</p> | <p><u>Mathematical focus</u><br/>           -Number and Place value</p> <p><u>Concepts</u><br/>           -Reading, writing, ordering and comparing number to 1,000,000<br/>           -Interpreting negative numbers<br/>           -Reading and writing Roman numerals</p> <p><u>Vocabulary</u><br/>           Hundred thousands, ten thousands, thousands, hundreds, tens, ones, kilometre, greatest, least, round, place holder, digit<br/>           Negative number, positive number, temperature, thermometer, degrees, Roman numerals, place value, hours, minutes, seconds</p> | <p><u>Mathematical focus</u><br/>           - Number and Place value<br/>           -Fractions (including decimals and percentages)</p> <p><u>Concepts</u><br/>           -Comparing, ordering and rounding numbers to 10,000,000<br/>           -Using negative numbers<br/>           -Multiplying and dividing by 1000</p> <p><u>Vocabulary</u><br/>           Negative numbers, positive, negative, line graphs, time, continuous data, Two decimal places, hundredths, three decimal places, thousandths, place value</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

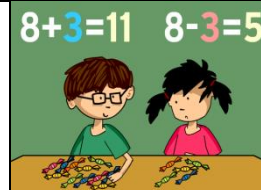
Autumn term

Spring term

Summer term

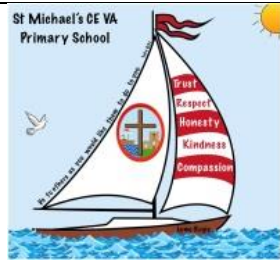


**Unit 6  
 Number Sense  
 (2-3 weeks)**



**Unit 6  
 Additive Reasoning  
 (2-3 weeks)**

| Reception  | Year 1  | Year 2   | Year 3  | Year 4  | Year 5  | Year 6   |
|--|---|--|---|---|---|--|
| <p><b>Mathematical focus</b><br/>           -Number<br/>           -Measurement (length)<br/>           -Measurement (capacity)</p> <p><b>Concepts</b><br/>           -Ordering length<br/>           -Ordering capacity<br/>           -Compare distances</p> <p><b>Vocabulary</b><br/>           Long, longer, longest, short, shorter, shortest, tall, taller, tallest, than, Heavy, heavier, light, lighter, weight, Full, empty, too much, not enough, just right, holds more, holds less, most, least, Distance, far, further, furthest, near, nearer, nearest, than, short, shorter, long, longer, close, closer, closest</p> | <p><b>Mathematical focus</b><br/>           -Number and Place value<br/>           -Measurement (money)</p> <p><b>Concepts</b><br/>           -Money<br/>           -Two more, two less<br/>           -Ten more, ten less</p> <p><b>Vocabulary</b><br/>           Penny, pence, pounds, coin, note, one, two, five, ten, twenty, fifty, how much, money, cash, buy, spend, pay, value, worth, zero, count forwards, count backwards, ten less, ten fewer, ten more, multiple, two less, two fewer, two more, digit, multiple</p> | <p><b>Mathematical focus</b><br/>           -Number and Place value<br/>           -Multiplication and division<br/>           -Statistics</p> <p><b>Concepts</b><br/>           -Estimating<br/>           -Odd and even<br/>           -Statistics</p> <p><b>Vocabulary</b><br/>           Estimate, sensible guess, centimetre, metre, gram, kilogram, millilitre, litre, quarter, half, three-quarters, Odd, even, thousands, millions, properties, criterion, criteria, Carroll diagram, Information, data, pictogram, tally, tally chart, frequency, frequency chart, block diagram, table, category</p> | <p><b>Mathematical focus</b><br/>           -Addition and Subtraction</p> <p><b>Concepts</b><br/>           -Mental calculations of 3-digit numbers and tens<br/>           -Written methods for subtraction</p> <p><b>Vocabulary</b><br/>           Addition, total, sum, altogether, equal, estimate, more than, less than, subtract, difference, take away, partition, inverse</p> | <p><b>Mathematical focus</b><br/>           - Addition and Subtraction</p> <p><b>Concepts</b><br/>           -Written methods<br/>           -Mental calculation</p> <p><b>Vocabulary</b><br/>           Addition, subtraction, total, difference, distance, metre, kilometre, duration, hour, minute, analogue, digital, scale, interval, more than, less than, Add, subtract, sum, total, pound, pence, kilogram, gram, convert, equivalent</p> | <p><b>Mathematical focus</b><br/>           - Addition and Subtraction</p> <p><b>Concepts</b><br/>           -Making decision- mental or written.<br/>           -Checking answers.</p> <p><b>Vocabulary</b><br/>           Gram, kilogram, add, subtract, total, sum, difference, partitioning, counting on, sequencing Minute, hour, analogue and digital clocks, 24-hour clock, time graphs, bar charts, approximate, accurate, estimate</p> | <p><b>Mathematical focus</b><br/>           - Addition and Subtraction<br/>           -Multiplication and Division<br/>           -Fractions (including decimals and percentages)<br/>           -Algebra</p> <p><b>Concepts</b><br/>           -Calculating mentally to solve problems<br/>           -Solving multi-step problems<br/>           -Rounding to solve problems<br/>           -Describing number sequences</p> <p><b>Vocabulary</b><br/>           Positive, negative, interval, temperature, Celsius, Fahrenheit, addition, subtraction, difference, difference between, sum, total, reason, pound, pence, estimate, more than, Round, estimate, decimal place, tenth, hundredth, thousandth, Linear sequence, term, position, algebraic expression, pattern, predict</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

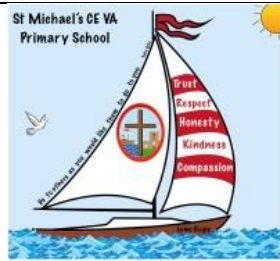


**Unit 7  
 Multiplicative Reasoning  
 (2-3 weeks)**



**Unit 7  
 Number Sense  
 (2-3 weeks)**

| Reception  | Year 1   | Year 2   | Year 3   | Year 4   | Year 5   | Year 6  |
|--|--|--|--|--|--|---|
| <p><u>Mathematical focus</u><br/>           -Number<br/>           -Multiplication and Division<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           - Begin to count beyond 10<br/>           -Find the total of two groups which are the same (doubles) and undo the doubling to find half<br/>           -Numbers 1-20<br/>           -Oh no we have a problem to solve!</p> <p><u>Vocabulary</u><br/>           1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, more, fewer, Double, half, doubles, halves, halving, doubling, less, same, altogether, fair</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Multiplication and Division<br/>           -Measurement (money)</p> <p><u>Concepts</u><br/>           -Rows and columns</p> <p><u>Vocabulary</u><br/>           Row, multiply, multiplication, divide, division, pair, double, share, twos, tens</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Multiplication and Division<br/>           -Statistics<br/>           -Measurement (money)<br/>           -Measurement (time)</p> <p><u>Concepts</u><br/>           -Times tables (2,5 and 10)<br/>           -Problem solving with times tables<br/>           -Money<br/>           -Tell the time to 5 minutes</p> <p><u>Vocabulary</u><br/>           Multiply, multiplication, multiplicand, multiplier, product, divide, division, group, share, dividend, divisor, quotient, equals, equivalent, array, repeated addition, repeated subtraction, odd, even, Minute, hour, clock face, day, hand, minutes to, minutes past</p> | <p><u>Mathematical focus</u><br/>           -Number and Place Value<br/>           -Fractions</p> <p><u>Concepts</u><br/>           -Showing numbers in different ways<br/>           -Finding unit fractions<br/>           -Adding and subtracting fractions</p> <p><u>Vocabulary</u><br/>           Place value, thousand, hundred, ten, one, exchange, place holder, tenth, numerator, denominator, unit fraction, non-unit fraction, equal, division, compare, order, greater than, less than, whole, add, subtract, inverse, fraction bond</p> | <p><u>Mathematical focus</u><br/>           -Fractions (including decimals)</p> <p><u>Concepts</u><br/>           -Counting in decimals<br/>           -Dividing and rounding decimals<br/>           -Fraction families</p> <p><u>Vocabulary</u><br/>           Denominator, numerator, equivalent, Place value, Base 10, equivalent, decimal, fraction, tenths, hundredths</p> | <p><u>Mathematical focus</u><br/>           - Fractions (including percentages)<br/>           -Multiplying and Dividing decimals</p> <p><u>Concepts</u><br/>           -Working with fractions<br/>           -Improper fractions and mixed numbers<br/>           -Working with decimals<br/>           -Finding percentages</p> <p><u>Vocabulary</u><br/>           Fraction, numerator, denominator, vinculum, equivalent, order, compare, unit fractions, non-unit fractions, improper fractions, mixed numbers, proper fractions, decimal fractions, equivalence percentages</p> | <p><u>Mathematical focus</u><br/>           -Fractions (including decimals and percentages)<br/>           -Algebra</p> <p><u>Concepts</u><br/>           -Comparing and ordering fractions, decimals and percentages using factors<br/>           -Finding decimal fractions<br/>           -Percentages<br/>           -Using algebra to solve missing number problems</p> <p><u>Vocabulary</u><br/>           Multiple, factor, denominator, numerator, vinculum, equivalent, common denominator, Fraction, decimal, percentage, equivalent, division, Formula, equation, perimeter, area, square, rectangle, triangle, parallelogram, Equation, unknown, balancing, bar model</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

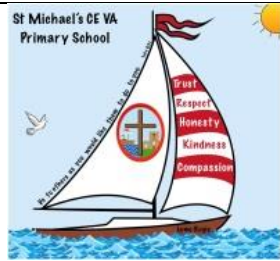


**Unit 8  
 Number Sense  
 (2-3 weeks)**



**Unit 8  
 Multiplicative Reasoning  
 (2-3 weeks)**

| Reception   | Year 1  | Year 2   | Year 3   | Year 4   | Year 5  | Year 6  |
|---|---|--|--|--|---|---|
| <p><b>Mathematical focus</b><br/>           -Number<br/>           -Counting patterns<br/>           -Sharing</p> <p><b>Concepts</b><br/>           -Explore number patterns including counting in 2s<br/>           -Equal share<br/>           -Numbers 1-20<br/>           =Describe that pattern!</p> <p><b>Vocabulary</b><br/>           Share, fair, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12</p> | <p><b>Mathematical focus</b><br/>           -Measurement (length)<br/>           -Measurement (weight)<br/>           -Measurement (volume and capacity)</p> <p><b>Concepts</b><br/>           -Taller, longer and shorter<br/>           -Lighter and heavier<br/>           -Full and empty</p> <p><b>Vocabulary</b><br/>           Long, longer, longest, short, shorter, shortest, tall, taller, tallest, wide, narrow, width, centimetre, metre, ruler, tape measure, metre stick, trundle wheel<br/>           Light, lighter, lightest, heavy, heavier, heaviest, gram, kilogram, mass, weigh, balance, scales<br/>           Capacity, volume, litre, millilitre, more, most, less, least</p> | <p><b>Mathematical focus</b><br/>           -Number and Place Value<br/>           -Fractions<br/>           -Measurement (length and temperature)<br/>           -Statistics</p> <p><b>Concepts</b><br/>           -Splitting numbers in different ways<br/>           -Doubles<br/>           -Fractions of a whole<br/>           -Height and temperature</p> <p><b>Vocabulary</b><br/>           Tens, ones, add, addend, augend, subtract, minuend, subtrahend, partition, recombine, total, difference, Half, halving, quarter, three quarters, double, doubling, equal, whole, sharing, divide, dividing, multiply, multiplying, product, Temperature, thermometer, degrees Celsius (°C), hotter, warmer, cooler, twice as, half as</p> | <p><b>Mathematical focus</b><br/>           -Multiplication and Division</p> <p><b>Concepts</b><br/>           -Linking multiplication and division to tenths<br/>           -Linking multiplication and division to unit and non-unit fractions</p> <p><b>Vocabulary</b><br/>           Multiplication tables, double, doubling, half, halving, commutative, commutativity, division, multiplicand, multiplier, product, dividend, divisor, quotient, scaling up, scaling down, bar model, fraction</p> | <p><b>Mathematical focus</b><br/>           -Number and Place Value<br/>           - Multiplication and Division</p> <p><b>Concepts</b><br/>           -Multiplication tables<br/>           -Mental calculation<br/>           -Written methods<br/>           -Scaling</p> <p><b>Vocabulary</b><br/>           Multiply, multiplication, multiples, factors, division, divide, identity, multiplicand, dividend, product, Sum, add, distributive, array, digit, addition, scaling, integer</p> | <p><b>Mathematical focus</b><br/>           -Multiples<br/>           -Factors<br/>           -Square/Cube and Prime numbers<br/>           -Percentages<br/>           - Multiplication and Division</p> <p><b>Concepts</b><br/>           -Exploring special numbers<br/>           -Solving problems with percentages<br/>           -Solving problems using multiplication and division</p> <p><b>Vocabulary</b><br/>           Multiply, divide, multiplication, division, factor, product, multiple, square number, cube number, prime number, fraction, decimal fraction, percentage, numerator, denominator, operator, scaling, scaling up, scaling down, rates</p> | <p><b>Mathematical focus</b><br/>           -Addition and Subtraction<br/>           -Multiplication and Division<br/>           -Fractions (including decimals and percentages)<br/>           -Ratio and proportion<br/>           -Algebra</p> <p><b>Concepts</b><br/>           -Identify common factors, multiples and prime numbers<br/>           -Multiplying and dividing numbers with up to three decimal places<br/>           -Solving problems with percentages<br/>           -Solving equations</p> <p><b>Vocabulary</b><br/>           Factor, proper factor, multiple, common factor, common multiple, prime, product, Decimal, divisor, dividend, quotient, average, metric, Percentage, equivalent, ratio, deduce, reasoning, Positive, sum, commutative, associative, algebraic, variable, equation</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life..



**St Michael's CE VA Primary School, Lyme Regis**

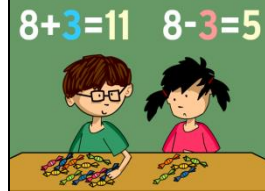
**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

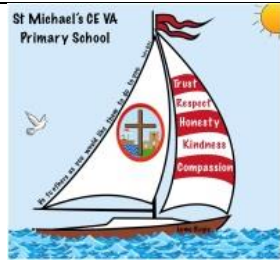


**Unit 9  
 Additive Reasoning  
 (2-3 weeks)**



**Unit 9  
 Geometric Reasoning  
 (2-3 weeks)**

| Reception   | Year 1   | Year 2   | Year 3   | Year 4   | Year 5   | Year 6  |
|---|--|--|--|--|--|---|
| <p><u>Mathematical focus</u><br/>           -Number<br/>           -Measurement (time)<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Numbers beyond 10<br/>           -Describing time<br/>           -one more one less<br/>           -Measuring time</p> <p><u>Vocabulary</u><br/>           Number names to 20, before, after, next, estimate, numeral, later, now, first, last, time, timer, sand timer, o'clock, longer, shorter, one week ago, next week, the week after</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and Subtraction<br/>           -Measurement (time)</p> <p><u>Concepts</u><br/>           -Twenty<br/>           -When and where</p> <p><u>Vocabulary</u><br/>           Add, addition, addend, augend, sum, take away, subtract, subtraction, minuend, subtrahend, difference, double, number bond, number fact, inverse, Before, after, next, first, last, today, yesterday, tomorrow, morning, afternoon, evening, days of the week, weeks, months of the year, o'clock, hour, minute</p> | <p><u>Mathematical focus</u><br/>           -Measurement (weight)<br/>           -Measurement (money)<br/>           -Number<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Weight and capacity<br/>           -More money<br/>           -Subtraction</p> <p><u>Vocabulary</u><br/>           Add, addition, augend, addend, total, sum, subtract, subtraction, minuend, subtrahend, difference, partition, partitioning, sequencing, near ten, near multiple of ten, adjust, adjusting, Hundreds, tens, ones, place value, all number words to 100 and beyond, metres, kilometres</p> | <p><u>Mathematical focus</u><br/>           -Geometry (Properties of shape)</p> <p><u>Concepts</u><br/>           -Making shapes<br/>           -Turning</p> <p><u>Vocabulary</u><br/>           Parallel, perpendicular, horizontal, vertical, extend, right angle, horizon, diagonal, grid, turn, quarter turn, half turn, three quarters of a turn, complete turn, clockwise, anticlockwise, rotate</p> | <p><u>Mathematical focus</u><br/>           -Geometry (Properties of shape)<br/>           -Geometry (Position and Direction)</p> <p><u>Concepts</u><br/>           -3D and 2D shape<br/>           -Coordinates and translations</p> <p><u>Vocabulary</u><br/>           Trapezium, kite, diagonal, <i>x</i>-axis, <i>y</i>-axis, <i>x</i>-coordinate, <i>y</i>-coordinate, quadrant, translation</p> | <p><u>Mathematical focus</u><br/>           -Geometry (Position and Direction)<br/>           -Geometry (Properties of shape)</p> <p><u>Concepts</u><br/>           -Reflecting and translating triangles<br/>           -Identifying 3d shapes<br/>           -Angles and constructing angles</p> <p><u>Vocabulary</u><br/>           Reflect/reflection, translate/translation, <i>x</i>- and <i>y</i>-axes, <i>x</i>- and <i>y</i>-coordinates<br/>           Face, edge, vertex, curved surface, apex, prism, pyramid, cross-section, parallel, Acute, obtuse, reflex, protractor, estimate, accurate, visualise</p> | <p><u>Mathematical focus</u><br/>           -Geometry (Position and Direction)<br/>           -Geometry (Properties of shape)</p> <p><u>Concepts</u><br/>           -Describing circles and polygons<br/>           -Comparing properties of 2D and 3D shapes<br/>           -Reflecting and translating shapes</p> <p><u>Vocabulary</u><br/>           Radius, diameter, circumference, arc, similar, scale factor, Volume, cube, cuboid, isosceles, equilateral, Origin, <i>x</i>-coordinate, <i>y</i>-coordinate, plot, intersection, quadrant, reflection, translation, congruent</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

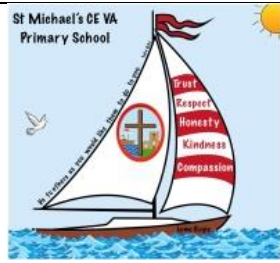


**Unit 10  
 Geometric Reasoning  
 (2-3 weeks)**



**Unit 10  
 Number Sense  
 (2-3 weeks)**

| Reception   | Year 1   | Year 2  | Year 3  | Year 4  | Year 5  | Year 6   |
|---|--|---|---|---|---|--|
| <p><u>Mathematical focus</u><br/>           -Geometry (properties of shapes)<br/>           -Geometry (position and direction)</p> <p><u>Concepts</u><br/>           -Solid 3D shapes<br/>           -Name that shape!<br/>           -Repeated patterns</p> <p><u>Vocabulary</u><br/>           Sort, questions, small, smaller, smallest, little, littler, littlest, big, bigger, biggest, large, larger, largest, medium, Shape, square, circle, triangle, rectangle, side, corner, face, 3-D, 2-D, straight, curved, children may also hear the words pentagon, hexagon and octagon, Pattern, next, zigzag, check, spot, stripe, big, small</p> | <p><u>Mathematical focus</u><br/>           -Geometry (properties of shapes)<br/>           -Geometry (position and direction)</p> <p><u>Concepts</u><br/>           -Shapes<br/>           -Where is it?</p> <p><u>Vocabulary</u><br/>           Cuboid, cube, (square-based) pyramid, sphere, cylinder, face, edge, vertex/vertices, square, triangle, rectangle, circle, stable, unstable, Left, right, forwards, backwards, above, below, top, middle, bottom, behind, between, repeat, first, second, third</p> | <p><u>Mathematical focus</u><br/>           -Geometry (properties of shapes)<br/>           -Geometry (position and direction)</p> <p><u>Concepts</u><br/>           -Shape faces<br/>           -Patterns and Paths</p> <p><u>Vocabulary</u><br/>           Vertex, vertices, side, edge, face, 2-D, two-dimensional, 3-D, three-dimensional, prism, pyramid, cone, cylinder, Tessellate, repeat, patterns, regular shapes, irregular shapes</p> | <p><u>Mathematical focus</u><br/>           -Number and Place Value</p> <p><u>Concepts</u><br/>           -Showing numbers in different ways<br/>           -Reading and writing numbers</p> <p><u>Vocabulary</u><br/>           Hundreds, tens, ones, place value, position, digital, analogue, minutes, seconds, equal, partition, value, tenth, division, second, minute, intervals, scale</p> | <p><u>Mathematical focus</u><br/>           -Number and Place Value</p> <p><u>Concepts</u><br/>           -Thousands<br/>           -Place Value</p> <p><u>Vocabulary</u><br/>           Multiple, one thousand, zero, more, less, Place value, positional, multiplicative, additive, place holder, analogue, digital, money, litres, millilitres, kilograms, grams, kilometres, metres</p> | <p><u>Mathematical focus</u><br/>           - Number and Place Value<br/>           -Fractions</p> <p><u>Concepts</u><br/>           -Solving problems with positive and negative numbers<br/>           -All about fractions<br/>           -2 decimal places (decimal fractions)</p> <p><u>Vocabulary</u><br/>           Million, place value, negative numbers, order, compare, round, Fraction, improper fraction, mixed number, equivalent, numerator, denominator, Decimal fraction, tenth, hundredth, thousandth</p> | <p><u>Mathematical focus</u><br/>           -Number and Place Value<br/>           -Fractions (including decimals and percentages)<br/>           -Algebra</p> <p><u>Vocabulary</u><br/>           -Comparing, ordering and rounding negative numbers and whole numbers to 10,000,000<br/>           -Simplifying fractions<br/>           -Linking fractions, decimals and percentages<br/>           -Sequences</p> <p><u>Vocabulary</u><br/>           Algebra, unknowns, equation, variable, formula, Linear number sequence, term, <i>n</i>th term, pattern, relationship</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

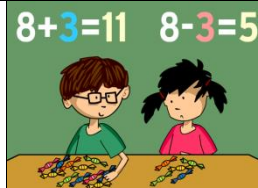
Autumn term

Spring term

Summer term

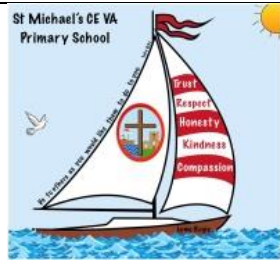


**Unit 11  
 Number Sense  
 (2-3 weeks)**



**Unit 11  
 Additive Reasoning  
 (2-3 weeks)**

| Reception   | Year 1   | Year 2   | Year 3   | Year 4  | Year 5  | Year 6   |
|---|--|--|--|---|---|--|
| <p><b>Mathematical focus</b><br/>           -Number and Place value<br/>           -Measurement (money)</p> <p><b>Concepts</b><br/>           -Money<br/>           -Comparing money<br/>           -I need how much?</p> <p><b>Vocabulary</b><br/>           1p, 2p, 5p, 10p, 20p, 50p, £1 and £2, money, coin, round, circle, straight, side, silver, bronze, gold, buy, spend, cost, price, shop, shopping</p> | <p><b>Mathematical focus</b><br/>           -Number and Place value<br/>           -Measurement (time)</p> <p><b>Concepts</b><br/>           -Fives<br/>           -Clocks</p> <p><b>Vocabulary</b><br/>           More than, less than, tens, ones, partition (ing), first, second, third, next, before, after, last, behind, in front of, left, right, penny, pence, pounds, coin, note, how much, money, cash, buy, spend, save, pay, value, worth, zero, count forwards, count backwards, five less, five fewer, five more, multiple, O'clock, half past, earlier, later, hour, minute, half</p> | <p><b>Mathematical focus</b><br/>           -Measurement (capacity and temperature)<br/>           -Statistics<br/>           -Measurement (time)<br/>           -Number<br/>           -Fractions</p> <p><b>Concepts</b><br/>           -Weather<br/>           -Our school day<br/>           -Fractions of time and things</p> <p><b>Vocabulary</b><br/>           Litre, millilitre, measuring cylinder, unit, scale, information, data, Analogue clock, hour, minute, interval, minuend, subtrahend, Fraction, quarter, half, third, equal, numerator, denominator, divisor, divide</p> | <p><b>Mathematical focus</b><br/>           -Addition and Subtraction</p> <p><b>Concepts</b><br/>           -Mental calculation of 3-digit numbers<br/>           -Using written methods</p> <p><b>Vocabulary</b><br/>           Addition, adding, total, sum, altogether, equal, estimate, multiple, subtract, difference, take away, less than, more than, inverse</p> | <p><b>Mathematical focus</b><br/>           -Addition and Subtraction</p> <p><b>Concepts</b><br/>           -Written methods<br/>           -Mental calculation</p> <p><b>Vocabulary</b><br/>           Addition, subtraction, total, sum, difference, decimal, whole, tenth, hundredth, pound, pence, multiple, boundary, two-step problem</p> | <p><b>Mathematical focus</b><br/>           -Addition and Subtraction<br/>           -Fractions</p> <p><b>Concepts</b><br/>           -Mental and written calculation<br/>           -Addition and Subtraction of fractions</p> <p><b>Vocabulary</b><br/>           Place value, add, subtract, total, sum, difference, partitioning, counting on, sequencing hours, minutes, gram, kilogram, millilitre, litre, convert, Fraction, numerator, denominator, vinculum, equivalent, improper fractions, mixed numbers, total, sum, difference, estimate</p> | <p><b>Mathematical focus</b><br/>           -Addition and Subtraction<br/>           -Multiplication and Division<br/>           -Fractions (including decimals and percentages)<br/>           -Algebra</p> <p><b>Vocabulary</b><br/>           -Solving multi-step problems involving whole numbers and decimals<br/>           -Adding and Subtracting fractions<br/>           -Finding possible solutions for equations</p> <p><b>Vocabulary</b><br/>           Addition, subtraction, multiplication, division, additive reasoning, multiplicative reasoning, half, double, Fractions, numerator, denominator, common denominator, scaling, equivalent, sum, total, difference, sector, simplify, Algebra, expression, equation, formula, unknown, variable, value</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

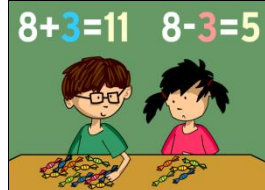
**Unit Progression**

**Focus in...**

Autumn term

Spring term

Summer term

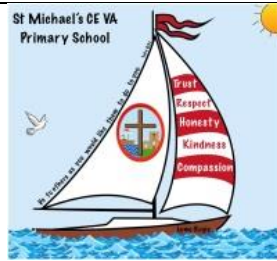


**Unit 12  
 Additive Reasoning  
 (2-3 weeks)**



**Unit 12  
 Number Sense  
 (2-3 weeks)**

| Reception  | Year 1   | Year 2   | Year 3   | Year 4  | Year 5  | Year 6   |
|--|--|--|--|---|---|--|
| <p><u>Mathematical focus</u><br/>           -Measurement (length)<br/>           -Measurement (weight)<br/>           -Measurement (capacity)</p> <p><u>Concepts</u><br/>           -Let's talk about size<br/>           -It weighs more<br/>           -How much?</p> <p><u>Vocabulary</u><br/>           Long, longer, longest, short, shorter, shortest, far, further, Light, lighter, lightest, heavy, heavier, heaviest, big, bigger, biggest, small, smaller, smallest, full, empty, container, vessel, heavy, heaver</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Addition and subtraction problems</p> <p><u>Vocabulary</u><br/>           Bar model, part, whole, known, unknown, addition, subtraction, altogether, total, solution, more than, less than, sum, addend, augend, minuend, subtrahend</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Add or Subtract?<br/>           -Checking addition and subtraction</p> <p><u>Vocabulary</u><br/>           Add, addition, augend, addend, total, sum, subtract, subtraction, minuend, subtrahend, difference, solve, solution, bar model, inverse, operation</p> | <p><u>Mathematical focus</u><br/>           -Number and Place Value<br/>           -Fractions</p> <p><u>Concepts</u><br/>           -Using different representations for whole numbers and tenths<br/>           -Finding unit and non-unit fractions<br/>           -Equivalent fractions</p> <p><u>Vocabulary</u><br/>           Hundreds, tens, ones, whole, tenths, partition, equivalent, unit fraction, non-unit fraction, numerator, denominator, operator, divide, division, multiply, divide, add, subtract</p> | <p><u>Mathematical focus</u><br/>           -Fractions (including decimals)</p> <p><u>Concepts</u><br/>           -Hundredths<br/>           -Equivalent fractions</p> <p><u>Vocabulary</u><br/>           Denominator, numerator, equivalent, Compare, round, decimals</p> | <p><u>Mathematical focus</u><br/>           -Multiplication and Division<br/>           -Fractions and decimal fractions<br/>           -Percentages</p> <p><u>Concepts</u><br/>           -Multiplying and dividing decimals<br/>           -Mixed and improper fractions<br/>           -Linking percentages and decimals</p> <p><u>Vocabulary</u><br/>           Million, place value, negative numbers, order, compare, round, Fractions, proper fractions, decimal fractions, equivalence, tenths, hundredths, thousandths, powers of 10, reduce, lowest term, positional, multiplicative, additive, per cent, percentage, factor, multiple, lowest term</p> | <p><u>Mathematical focus</u><br/>           -Fractions (including decimals and percentages)<br/>           -Algebra</p> <p><u>Concepts</u><br/>           -Using percentages to solve problems<br/>           -Using algebra to express number problems</p> <p><u>Vocabulary</u><br/>           Division, multiplication, bar models, vinculum, denominator, numerator, equivalent, Algebra, formula, linear number sequences, common difference, <i>n</i>th term, substitute, Algebra, inverse operations, bar models, variables, unknown</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

Autumn term

Spring term

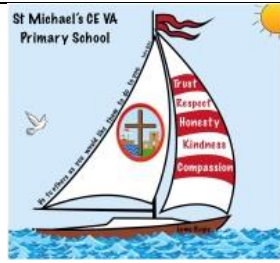
Summer term



**Unit 13**  
**Multiplicative Reasoning**  
**(2-3 weeks)**



| Reception  | Year 1  | Year 2  | Year 3  | Year 4   | Year 5   | Year 6   |
|--|---|---|---|--|--|--|
| <p><u>Mathematical focus</u><br/>           -Number<br/>           -Addition and Subtraction</p> <p><u>Concepts</u><br/>           -Estimate how much<br/>           -Total number<br/>           -Is there more or fewer?<br/>           -Number 1-20<br/>           -One more and one less<br/>           -Count on and count back</p> <p><u>Vocabulary</u><br/>           Numerals 0-20, more, less, fewer, estimate, count, add, and, plus, subtract, take away, left, leaves, altogether, makes</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Multiplication and Division<br/>           -Fractions<br/>           -Measurement (time)</p> <p><u>Concepts</u><br/>           -Doubles and halves<br/>           -Quarters<br/>           -O'clock and half past</p> <p><u>Vocabulary</u><br/>           Double, half, equal, twice, Part, whole, half, quarter, equal, Multiply, divide, share, group</p> | <p><u>Mathematical focus</u><br/>           -Number<br/>           -Multiplication and Division<br/>           -Fractions<br/>           -Measurement (time)</p> <p><u>Concepts</u><br/>           -3 Times table<br/>           -Fraction picnic<br/>           -TV times</p> <p><u>Vocabulary</u><br/>           Multiplication, multiply, multiplicand, multiplier, product, divide, division, dividend, divisor, group, share, quotient, sequence, Fraction, quarter 1/4, half 1/2, third 1/3, three-quarters 3/4, equal, equivalent, numerator, denominator, Analogue clock, hour, minute, interval, day</p> | <p><u>Mathematical focus</u><br/>           -Multiplication and Division</p> <p><u>Concepts</u><br/>           -Mental calculation and jottings<br/>           -Finding fractions using multiplication and divisions</p> <p><u>Vocabulary</u><br/>           Multiplication, multiplicand, multiplier, product, commutative, division, dividend, divisor, quotient, inverse</p> | <p><u>Mathematical focus</u><br/>           -Multiplication and Division</p> <p><u>Concepts</u><br/>           -Multiplying and dividing using mental calculation strategies.<br/>           -Written methods for multiplication<br/>           -Scaling</p> <p><u>Vocabulary</u><br/>           Multiple, multiplication, division, thousands, digit, Multiply, product, add, subtract, divide, Scaling, correspondence</p> | <p><u>Mathematical focus</u><br/>           -Multiples<br/>           -Factors<br/>           -Prime/ square and cube numbers<br/>           -Multiplication and Division</p> <p><u>Concepts</u><br/>           -All about numbers<br/>           -Converting between measurements<br/>           -Using written methods for multiplication and division</p> <p><u>Vocabulary</u><br/>           Multiply, divide, multiplication, division, multiplicand, multiplier, product, dividend, divisor, quotient, factor, multiple, prime factor, numerator, denominator, operator, Division, division bracket, factor,</p> | <p><u>Mathematical focus</u><br/>           -Addition and Subtraction<br/>           -Multiplication and Division<br/>           -Fractions (including decimals and percentages)<br/>           -Ratio and proportion<br/>           -Algebra</p> <p><u>Concepts</u><br/>           -Using long division<br/>           -Choosing operations to solve problems<br/>           -Identifying common factors, multiples and prime numbers<br/>           -Multiplying and dividing fractions<br/>           -Solving problems with ratio and proportion<br/>           -Using simple formulae</p> <p><u>Vocabulary</u><br/>           Remainder, divisor, decimal, fraction, factor, multiple, quotient, dividend, Equivalent, sum, addend, augend, difference, subtrahend, minuend, product, multiplicand, multiplier, divisor, operation, unit fraction, numerator, denominator</p> |



**The school's Christian vision**

Our five core Christian values  
*Trust, Honesty, Compassion, Respect and Kindness*  
 are centred on

**'Do to others as you would like them to do to you.'** (Luke 6:13)

Through these values we inspire children to be the best they can be. Encouraging high aspirations and expectations that will allow them to achieve, explore, succeed and prepare for their own path through life.



**St Michael's CE VA Primary School, Lyme Regis**

**Unit Progression**

**Focus in...**

|             |             |             |
|-------------|-------------|-------------|
| Autumn term | Spring term | Summer term |
|-------------|-------------|-------------|



**Unit 14**  
**Geometric Reasoning**  
**(2-3 weeks)**



| Reception  | Year 1  | Year 2  | Year 3   | Year 4  | Year 5  | Year 6  |
|--|---|---|--|---|---|---|
| <p><b>Mathematical focus</b><br/>           -Number<br/>           -Addition and Subtraction<br/>           -Multiplication and Division<br/>           -Measurement</p> <p><b>Concepts</b><br/>           -Number 1-20<br/>           -Add and subtract two single-digit numbers and count on or back to find the answer<br/>           -Solve problems ,including doubling, halving and sharing<br/>           -Let's compare measurements</p> <p><b>Vocabulary</b><br/>           First-tenth, last, minute, second, Fewer, most, fewest, than, twice, many, altogether, more, cube, cuboid, sphere, cylinder</p> | <p><b>Mathematical focus</b><br/>           -Geometry- Position and direction<br/>           -Number<br/>           -Fractions<br/>           -Geometry- Properties of shapes.</p> <p><b>Concepts</b><br/>           -Turns<br/>           -Giving direction</p> <p><b>Vocabulary</b><br/>           Half turn, quarter turn, three-quarter turn, whole turn, rotate, opposite<br/>           Quarter turn, half turn, step</p> | <p><b>Mathematical focus</b><br/>           -Geometry- Position and direction<br/>           -Geometry- Properties of shapes<br/>           -Statistics<br/>           -Number and place value</p> <p><b>Concepts</b><br/>           -Right angles<br/>           -Estimating lengths and distances<br/>           -Directions</p> <p><b>Vocabulary</b><br/>           Right angle, turn, half turn, quarter turn, rotate, clockwise, Anticlockwise, Height, width, distance, centimetre, metre, estimate, measure, Instruction, direction, right angle, turn, clockwise, anticlockwise, check, left, right, top, middle, bottom, on top of, in front of, to the side, above, below, between, beside, around, near, close, far, up, down, forwards, backwards, towards, away, whole turn, half turn, quarter turn, three-quarter turn</p> | <p><b>Mathematical focus</b><br/>           -Geometry- Properties of shapes</p> <p><b>Concepts</b><br/>           -Horizontal and vertical lines and sides<br/>           -Sizes of angles</p> <p><b>Vocabulary</b><br/>           2-D shapes, polygon, semicircle, regular, irregular, shapes, quadrilateral, pentagon, hexagon, heptagon, octagon<br/>           Perimeter, centimetre (cm), metre (m), millimetres (mm)</p> | <p><b>Mathematical focus</b><br/>           -Geometry- Properties of shapes</p> <p><b>Concepts</b><br/>           -3D and 2D shape<br/>           -Angles<br/>           -Symmetry</p> <p><b>Vocabulary</b><br/>           Perimeter, area, cm<sup>2</sup> – centimetres squared, m<sup>2</sup> – metres squared, rectilinear, acute, obtuse, algebra, algebraic, Symmetry, line of symmetry, symmetrical, orientation,</p> | <p><b>Mathematical focus</b><br/>           -Geometry- Angles<br/>           -Geometry- Position and direction</p> <p><b>Concepts</b><br/>           -Finding angles in shapes<br/>           -Measuring and moving shapes</p> <p><b>Vocabulary</b><br/>           Perimeter, rectangle, formula, area, factor, factor pair, Volume, capacity, cuboid, hollow</p> | <p><b>Mathematical focus</b><br/>           -Geometry- Properties of shapes<br/>           -Geometry- Position, direction and motion</p> <p><b>Concepts</b><br/>           -Making 3D shapes and nets<br/>           -Classifying 2D shapes<br/>           -Reflecting and translating shapes</p> <p><b>Vocabulary</b><br/>           Net, cube, cubic, cubic units, metres cubed (m<sup>3</sup>), centimetres cubed (cm<sup>3</sup>), kilometres cubed (km<sup>3</sup>), millimetres cubed (mm<sup>3</sup>), pyramid, apex, Compasses, arc, intersect (intersection), Origin, x-coordinate, y-coordinate, plot, quadrant, reflection, translation, intersection.</p> |