# St Anselm's Mathematics Vocabulary Progression Map 2023-24

**Vocabulary for Number, Place Value and the Four Operations**

| | Numbers | Place Value | Addition | Subtraction | Multiplication | Division |
|---|---|---|---|---|---|---|
| EYFS | Match<br>sort,<br>compare,<br>amount,<br>number,<br>more, less, represent,<br>group, same, different,<br>similar, identical,<br>pair,<br>equal,<br>few, fewer, fewest,<br>most, largest, greatest,<br>count,<br>arrangements, subitise,<br>numerals,<br>careful counting | ones<br>the same number as, as<br>many as<br>more, larger, bigger,<br>greater<br>fewer, smaller, less<br>fewest, smallest, least<br>most, biggest, largest,<br>greatest<br>one more, ten more<br>one less, ten less<br>compare<br>last, last but one<br>before, after<br>next<br>between<br>guess<br>how many …?<br>about the same as<br>just over, just under<br>too many, too few<br>enough, not enough<br>teens<br>balance<br>equal | number sentence<br>add, more, and<br>make<br>total<br>altogether<br>double<br>one more<br>how many more to<br>make …?<br>how many more is …<br>than …?<br>how much more is …?<br>equals<br>balances | number sentence<br>take away<br>how many are left/left<br>over?<br>how many have<br>gone?<br>one less<br>how many fewer is …<br>than …?<br>how much less is …?<br>difference between<br>equals<br>balances | double<br>doubling<br>sets of<br>pairs<br>number patterns<br>objects<br>groups | half of<br>halving<br>share between<br>sharing<br>equal groups<br>sets |

# St Anselm's Mathematics Vocabulary Progression Map 2023-24

| | Numbers | Place Value | Addition | Subtraction | Multiplication | Division |
|---|---|---|---|---|---|---|
| **Year 1** | twenty-one, twenty-two … one hundred<br>numeral<br>thirty<br>forty<br>fifty<br>sixty<br>seventy<br>eighty<br>ninety<br>(one) hundred | digit<br>number/ numeral<br>same<br>tens and ones<br>more than/less than<br>less<br>most/least<br>count from …<br>count in ….<br>forwards/backwards<br>number pattern<br>odd<br>even<br>equal sign =<br>greater than/ smaller than<br>fewer/ fewest<br>largest<br>smallest<br>least<br>equal to<br>many<br>number bonds/pairs<br>missing numbers<br>estimate<br>ordinal<br>cardinal<br>nearly<br>close to | Add<br>+<br>addition<br>sum<br>total<br>altogether<br>double<br>one more<br>two (ten) more<br>plus<br>equals<br>near double<br>is the same as<br>number bonds/pairs<br>missing number<br>count up | how many more?<br>leave<br>how many left?<br>two less<br>ten less<br>how many fewer<br>minus<br>subtract<br>subtraction<br>count up<br>count back | multiplication<br>multiplied by<br>multiply<br>lots of<br>groups of<br>scaling<br>twice<br>times as …<br>array<br>multiple<br>count up<br>repeated addition | share into<br>division<br>dividing<br>grouping<br>count back<br>unequal<br>equal |

# St Anselm's Mathematics Vocabulary Progression Map 2023-24

| Year 2 | Numbers | Place Value | Addition | Subtraction | Multiplication | Division |
|---|---|---|---|---|---|---|
| | two | greater than, > | increase | difference | times table | array |
| | hundred … one | less than, < | commutative | between | multiplication | row column |
| | thousand | equal (to), = | partition | equals | row | fact family |
| | count on in 3s, | column | fact family | is the same as | column | inverse |
| | tally | partition | regrouping | minus | fact family | divide, divided by, |
| | twenty-first, twenty- | most/greatest | partitioning | exchanging | odd | divided into |
| | second … | number pattern | bridging | partition | even | left, left over |
| | | equivalent to | empty box | ten less | commutative | repeated subtraction |
| | | multiple of | inverse | check | multiplication fact | |
| | | compare | ten more | inverse | multiplication table | |
| | | order | number bonds to 20 | | repeated addition | |
| | | | number bonds within 20 | | multiple of 2 | |
| | | | check | | multiple of 5 | |
| | | | | | multiple of 10 | |
| | | | | | multiply | |

# St Anselm's Mathematics Vocabulary Progression Map 2023-24

| Year 3 | Numbers | Place Value | Addition | Subtraction | Multiplication | Division |
|---|---|---|---|---|---|---|
| | ones<br>tens<br>hundreds<br>thousand<br>three digit number<br>tenths | exact<br>position<br>estimate<br>decimal<br>approximate<br>descending<br>ascending<br>integer<br>round<br>represent<br>ascending<br>descending | 100 more<br>increase<br>column digit<br>columnar<br>column addition<br>mental method<br>formal method<br>adjusting<br>estimate<br>written method<br>boundary<br>adjust near double<br>combine<br>rounding<br>empty box<br>exchange<br>regroup | 100 less<br>decrease<br>exchanging<br>number sentence<br>calculate<br>column subtraction<br>estimate<br>mental method<br>formal method<br>fact family<br>adjust<br>empty box<br>exchange<br>regroup | missing number<br>scaling<br>multiplied by<br>... times larger/smaller<br>product<br>times table facts<br>fact family<br>partition<br>grid<br>empty box | missing number<br>times table<br>remainder<br>partition<br>fact family<br>inverse operation<br>empty box |
| Year 4 | Numbers | Place Value | Addition | Subtraction | Multiplication | Division |
| | 1 I<br>2 II<br>3 III<br>4 IV<br>5 V<br>6 VI<br>7 VII<br>8 VIII<br>9 IX<br>10 X<br>50 L<br>100 C<br>500 D<br>1000 M<br>4 digit number | Roman Numerals<br>round<br>negative<br>convert<br>positive<br>factor<br>factor pair<br>multiple | decimal addition<br>addend<br>sum | decimal subtraction<br>minuend<br>subtrahend<br>difference | factor<br>factor pair<br>compact method<br>short multiplication<br>product | quotient<br>divisor<br>dividend<br>factors |

| | | | | | | |
|---|---|---|---|---|---|---|
| | thousand<br>ten thousand<br>hundred thousand<br>hundredths | | | | | |
| **Year 5** | **Numbers** | **Place Value** | **Addition** | **Subtraction** | **Multiplication** | **Division** |
| | millions<br>thousandths<br>5 and 6 digit number<br>mixed number<br>decimal fraction<br>square number<br>cube number<br>prime number<br>composite number<br>decimals with 2 and 3 decimal places | prime<br>common factor<br>common multiple<br>squared<br>cubed<br>integer<br>decimal<br>improper fraction<br>mixed number<br>percentage<br>% | approximate | approximate | prime number<br>composite number<br>multiple<br>common factor<br>common multiple<br>square number<br>cube number<br>squared,<br>cubed<br>long multiplication<br>expanded method<br>multiplier | compact short<br>scale down<br>test of divisibility |
| **Year 6** | **Numbers** | **Place Value** | **Addition** | **Subtraction** | **Multiplication** | **Division** |
| | millions<br>billions | sequence<br>pattern<br>term<br>first term etc.<br>rule<br>proportion<br>ratio<br>power<br>digital root | formula<br>term<br>order of operations<br>precedence<br>mean<br>brackets<br>average | formula<br>term<br>order of operations<br>precedence<br>brackets | approximate<br>formula<br>term<br>order of operations<br>precedence<br>brackets | brackets<br>balance<br>order of operations<br>precedence |

# St Anselm's Mathematics Vocabulary Progression Map 2023-24

| Year 6 Vocabulary for Algebra | | |
|---|---|---|
| formulae<br>linear sequence<br>express<br>unknowns | equations<br>equivalent expression<br>number pattern<br>express | generate<br>symbols<br>variables |

| Vocabulary for Fractions, Decimals and Percentages | | | | |
|---|---|---|---|---|
| | Fractions | Decimals | Percentage | Ratio |
| EYFS | Share | | | |
| Year 1 | half<br>two quarters, quarter, three quarters<br>equal parts<br>equal groups<br>quantity<br>object<br>one whole | | | |
| Year 2 | third<br>equivalence | | | |
| Year 3 | fifth, sixth, seventh, eighth, ninth, tenth<br>two thirds<br>tenths<br>divided by ten<br>unit fraction<br>numerator<br>denominator<br>equivalent fraction<br>discrete set<br>diagram<br>add/subtract within one whole | decimal point | | |
| Year 4 | hundredth<br>divided by 100<br>non- unit fraction | decimal equivalent<br>decimal places<br>rounding | | |

| | common equivalent fractions | | | |
|---|---|---|---|---|
| **Year 5** | improper fraction<br>mixed number<br>proper fractions<br>thousandths<br>convert | decimal fraction<br>nearest whole number | per cent symbol %<br>number of parts per hundred<br>percentage<br>percentage equivalent | |
| **Year 6** | simplest form | degree of accuracy | | relative size<br>quantity<br>scale factor<br>comparison<br>ratio/ proportion<br>unequal sharing/grouping<br>similar shapes |

| Vocabulary for Geometry | | | | |
|---|---|---|---|---|
| **EYFS** | 2D Shape | 3D Shape | Position and Direction | Angles | Coordinates |
| | square<br>circle<br>rectangle<br>triangle<br>side | cube<br>cuboid<br>sphere<br>pyramid | in front<br>behind<br>on top of<br>under<br>above<br>below<br>next to | | |
| **Year 1** | pentagon<br>hexagon<br>edge<br>corner<br>pattern<br>sort | cylinder<br>square based pyramid<br>triangular based<br>pyramid<br>face<br>sort | underneath<br>orientation<br>left<br>right<br>turn<br>whole turn<br>half a turn<br>quarter of a turn<br>three quarters of a turn | | |
| **Year 2** | vertices<br>heptagon | vertices<br>edges | clockwise<br>anticlockwise | | |

| | | | | | |
|---|---|---|---|---|---|
| | nonagon<br>octagon<br>decagon<br>semi-circle<br>line of symmetry<br>vertical line<br>reflection<br>symmetry<br>compare | prism<br>surface<br>compare | rotation | | |
| **Year 3** | perpendicular line parallel line<br>polygon<br>diagonal<br>axis of symmetry<br>regular / irregular | nets<br>base<br>dimensions<br>polyhedron | orientation<br>horizontal line<br>vertical line | right angle<br>90 degrees<br>greater than<br>less than<br>protractor | |
| **Year 4** | geometric shapes<br>quadrilateral<br>kite trapezium<br>rhombus<br>parallelogram<br>isosceles triangle<br>scalene triangle equilateral triangle<br>dodecagon<br>classify<br>breadth<br>width | | translation<br>congruent<br>oblique | acute<br>obtuse<br>degrees | first quadrant<br>coordinate<br>points |
| **Year 5** | regular polygon<br>irregular polygon<br>bisect<br>congruent<br>dimension | | adjacent<br>intersection<br>rotational<br>on a line | reflex<br>base angles<br>interior<br>exterior | |

|  | rotational symmetry |  |  |  |  |
|---|---|---|---|---|---|
| Year 6 | radius<br>diameter<br> circumference |  | enlargement<br>equidistant<br>at a point<br>vertically opposite |  | fourth quadrants<br>positive<br>negative |

| Vocabulary for Measures | | | | | |
|---|---|---|---|---|---|
|  | **Money** | **Time** | **Length and Height** | **Weight and Mass** | **Volume /Capacity** | **Area/perimeter** |
| **EYFS** | coin<br>note<br>one pence | quicker slower before<br>after next first<br>today morning<br>afternoon evening clock<br>Monday<br>Tuesday<br>Wednesday<br>Thursday<br>Friday<br>Saturday<br>Sunday | long<br>short<br>tall<br>longest<br>shortest | heavy<br>light | full<br>empty<br>more<br>less | |
| **Year 1** | **Money** | **Time** | **Length and Height** | **Weight and Mass** | **Volume /Capacity** | **Area/perimeter** |
|  | pound<br>pence<br>2p,5p,10p | long hand<br>short hand<br>hour<br>o'clock<br>half past<br>half hour<br>months of the<br>year<br>quicker than<br>slower than<br>quickest<br>quicker than | longer than<br>shorter than<br>taller than<br>smaller than<br>double/half<br>ruler<br>tape measure<br>metre stick<br>trundle wheel<br>scale | heavier than<br>lighter than<br>hot<br>cold<br>hotter than<br>colder than<br>temperature<br>thermometer<br>scales<br>scale | half full<br>half empty<br>more than<br>less than<br>quarter<br>half<br>jug<br>measuring cylinder<br>scale | |

| | **Money** | **Time** | **Length and Height** | **Weight and Mass** | **Volume /Capacity** | **Area/perimeter** |

| | | | | | |
|---|---|---|---|---|---|
| | | slower than<br>slowest<br>tomorrow<br>yesterday<br>day<br>week<br>month<br>year<br>minute<br>second<br>calendar<br>chronological<br>order<br>tell the time | | | |
| **Year 2** | 20p,50p,£1,£2,£5,£10<br>£20 £50<br>total cost<br>change | minute hand<br>hour hand<br>quarter past<br>quarter to<br>5 past, 10 past,20 past, 25 past<br>5 to , 10 to , 20 to, 25 to<br>24 hours in a day | standard unit<br>cm<br>metre<br>half a metre<br>quarter of a metre<br>estimate<br>measure<br>length | standard unit<br>kilogram<br>half a kilogram<br>quarter of a kilogram<br>grams<br>degrees<br>positive/negative<br>estimate<br>measure | standard unit<br>litre<br>half a litre<br>quarter of a litre<br>estimate<br>measure<br>millilitre<br>measuring vessel |
| **Year 3** | **Money** | **Time** | **Length and Height** | **Weight and Mass** | **Volume /Capacity** | **Area/perimeter** |
| | decimal notation of money | 12 hour<br>24 hour<br>decade<br>leap year<br>century<br>noon<br>midnight | metric<br>millimetre<br>kilometre<br>perimeter<br>breadth<br>width<br>convert | metric<br>convert<br>difference | metric<br>convert | centimetre<br>perimeter<br>millimetre<br>metre |

# St Anselm's Mathematics Vocabulary Progression Map 2023-24

| | | | | | |
|---|---|---|---|---|---|
| | | am<br>pm<br>Roman numerals<br>Estimate<br>duration | | | |
| **Year 4** | | analogue<br>digital<br>24 hour | | | area<br>square centimetres<br>rectilinear shape<br>counting |
| **Year 5** | | | imperial<br>inches<br>feet<br>approximate | imperial<br>pounds<br>ounces<br>stones<br>approximate | imperial<br>pints<br>approximate<br>cuboids<br>cubic centimetres | standard units<br>square metres<br>compound area |
| **Year 6** | | | miles | | formulae<br>cubic kilometres<br>cubic millimetres | formulae |

# St Anselm's Mathematics Vocabulary Progression Map 2023-24

| | Vocabulary for Statistics |
|---|---|
| **EYFS** | chart<br>tally |
| **Year 1** | tally chart<br>pictogram<br>sort |
| **Year 2** | block graph / bar charts<br>venn diagram, table<br>category<br>total<br>compare scale<br>calendar<br>How many more?<br>How many fewer? |
| **Year 3** | axis<br>interpret<br>key subset<br>timetable<br>information<br>graph |
| Year 4 | discrete data<br>continuous data<br> time graphs<br>comparison<br>sum<br>difference |
| **Year 5** | frequency chart<br> line graph |
| Year 6 | mean<br>average<br>median<br>mode<br>pie chart, scatter graph |