**Mathematics Vocabulary Progression document (YR-Y6)**

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose schemes of learning. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups, retrieved regularly and quizzed often to ensure children are consolidating their understanding. Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.

It is expected that key vocabulary is displayed on ‘Maths Learning Walls’ at appropriate times during the academic year and in line with the current topic area being taught within the class and is promoted through mathematical talk in lessons.

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| **Number – Number and Place Value** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| **Number:**zero number one, to twenty how many …? count, count (up) to, count on (from, to), count back (from, to) count in ones, twos, fives, tens is the same as more, less odd, even few pattern pairSubitiseEqualunequal**Place value:**valueonestensdigit the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, one less,  compare order size first, second, third… twentiethlast, last but one before, after next between | sortrepresentmultiplespartitioningtwenty through to one hundred forwards backwards equal to equivalent to most, least many multiple ofTen more/less, digit, numeral, figure(s), compare, (in) order/a different order, size, value, between, halfway between, above, below, tens, ones | count in stepscount in multiplesplace valueestimatecompareNumbers to one hundred, hundreds, partition, recombine, more/lessinterval | ascendingdescending10 or 100 more10 or 100 less | Tenths, hundredths, decimal (places), round (to nearest), thousand more/less than, negative integers, count through zero, Roman numerals I to C | ten thousandsone hundred thousandspowers of 10integer | millionsten millions |

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| **Addition and Subtraction** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| add, more, and make, sum, total, altogether double one more, two more … ten more how many more to make …?how many more is … than …? how much more is …? take away how many are left/left over? how many have gone? one less, two less, ten less … how many fewer is … than …? how much less is …?  | Number bonds, number line, *add, more, plus, make, sum, total, altogether,* inverse, *double,* near double, equals, is the same as (including equals sign), addenddifference Difference between*,* subtract, take away, minussubtrahend minuend | One hundred more Number facts Tens boundaryOne hundred lessCommutative | Column addition Hundreds boundaryColumn subtractionRemainder | inverse | Efficient written methodOnes boundary Tenths boundary | Order of operations |

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| **Multiplication and Division** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| Odd, even Double, Share, Pairequalshare equally Group Equal groups  | Multiplication Multiply, multiply by, repeated addition, array, row, column, double, unequalGrouping arraysharing | Groups of Twice Once, twice, three times … ten times Repeated additioncolumn multiplication table MultipleDivideDivisionDivided byCommutative | MultiplicandMultiplier Productmultiplication fact, division factDividendDivisorQuotientremainder | inverse, derive | FactorFactor pairs,Common factor composite numbers, prime number, prime factors, square number, cubed number, formal written methodSquared numberCubed numberRemaindersLong multiplication | Long division |

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| **Algebra** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  |  |  |  |  |  | formulae linear number sequences algebraically equation unknowns combinations variables |

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| **Fractions, decimals and percentages** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| Wholepartparts of a whole | Equal parts, four equal parts halfTwo halvesA quarter, two quarters | Three quartersOne thirdEquivalentequivalence | NumeratorDenominatorUnit fractionNon-fractionCompareOrdertenths | Equivalent decimals and fractions, eighth third, sixth fifth, tenth, twentieth proportion, in every, for every decimal, decimal fraction decimal point,  decimal placeTwo decimal placesTenthshundredths | Proper fractionsImproper fractionsMixed numbers percentageratio, ProportionThree decimal places,thousandths | Degree of accuracyRecurring decimal |

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| **Ratio and Proportion** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  |  |  |  |  |  | relative size missing values integer multiplication percentages scale factor unequal sharing & grouping |
| **Measurement - measure and length** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| MeasureWide(er)Narrow(er)CompareLong(er)(est)Short(er)(est)length | compare | Standard unitsEstimateOrderRecord resultsCentimetre cmMetre m | Millimetre mmperimeter | Kilometre kmRectilinear figurearea | Decimal notationScalingMetric unitsImperial unitsInchesCompound shapeIrregular shapesSquare centimetresSquare metres | ConversionMilesFormulaefeet |

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| **Measurement - height, weight, capacity** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| HeightTall(er)(est)Short(er)(est)Weigh(t)Heavy/lightHeavier thanLighter thanBig/bigger/biggestFull/emptyMore thanLess thanHalfHalf full | MassVolumecapacity | Kilogram kgGram gQuarter fullThree quarters fullLitres lMillilitres mlTemperatureCelsius |  |  | Cubic centimetrePoundspints | Cubic metreCubic millimetreCubic kilometreGallonsStonesounces |

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| **Measurement -Time** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| TimeQuickerSlowerEarlierLaterBeforeAfterFirstNextTodayTomorrowMorning AfternoonEveningDay WeekHourminutes | Chronological order*Days of the week**Months of the year*MonthYearO’clockHalf pastsecond | Intervals of timeQuarter past/toduration | Analogue clockRoman numerals12-hour clock24-hour clocka.m/p.mnoonmidnightleap yeardigital | convert |  |  |

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| **Measurement - money** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  | MoneyCoinsNotesPounds £Pence p | Valuechange |  |  |  |  |
| **Geometry – properties of shape and position/direction** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| 2-d shapesRectangleoblongSquareCircleTriangleCharacteristics3-d shapesCuboidCubeConeSphereCurvedStraight]flat]OverUnderBetweenAroundThroughOnIntoNext toBehindBeneathOrderRepeatPatternsOn top of | SidesCornersPropertiesPyramidFacesPositionDirectionMovementWhole turnHalf turnQuarter turnThree quarter turn | PentagonHexagonLine of symmetryPropertiesCylinderEdgesVerticesVertexClockwise/AnticlockwiseStraight lineRotationArrangesequences | Right-angle triangleHeptagonOctagonPolygonPropertiesPrismOrientations’AngleAcute angleObtuse angleTurnRight angleHalf turnThree quarters of a turnGreater than a right angleLess than a right angleHorizontal linesVertical linesPerpendicularparallel | IsoscelesEquilateralScaleneTrapeziumRhombusParallelogramKiteGeometric shapesQuadrilateralsCo-ordinatesFirst quadrantGrid TranslationPlotaxis | Regular polygonIrregular polygonReflex angleDegreesOne whole turnAngles on a straight lineAngles around a pointVertically oppositeMissing anglesReflection | RadiusDiameterCircumferenceDimensionsFour quadrantsCo-ordinate plane |

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| **Statistics** |
| **EYFS YR** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  |  | PictogramTally chartBlock diagramCategorySortingTotallingComparingHorizontal vertical | TableBar chartOne-step problemTwo-step problem | Time graphDiscrete dataContinuous dataLine graphComparison problemSum problemDifference problemCalculateinterpret | TimetableTwo-way table | Pie chartMeanaverage |