Year 3 – Key Vocab:

Essentials Sequence	Key concepts	Key vocabulary
3LS1 - Place Value and Regrouping	Re-grouping to strengthen understanding of place value.	Hundreds, tens, ones, digits, part-whole model, part, whole, re-group, placeholder, equivalent, total, equality, value
3LS2 - Counting On and Back in Ones, Tens and Hundreds	Build on place value understanding to notice what changes and what does not when they count in ones, tens and hundreds from a given number within the number range. Counting through benchmarks.	Count, regroup, ones, tens, hundreds, more, less, take away, boundary, fewer, subtract, thousand
3LS3 - Estimation, Magnitude and Rounding	Considering the order and estimation of numbers, including their magnitude relative to other numbers	Place value, rounded, hundreds, tens, ones, 'greater than,' 'less than,' approximately, equal, nearest, estimate, nearest, round, benchmark
3LS4 - Measures – Comparison, Estimation and Magnitude	Build on benchmarks to estimate, read scales, compare and order measures.	Approximately, scale, width, longer, shorter, unit, estimates, grams, mass
3LS5 - Mental Fluency – Addition	Cultivating mental fluency for addition – calculating to 20 and then making links to 100 and beyond. Addition can be done in any order and compensation is a method that can be used in addition.	Hundreds, tens ones, sum, 'think 10,' 'think 100,' re-group, commutativity, total, complements, compensation, add, take away, place value, equal
3LS6 - Mental Fluency – Subtraction	Cultivating mental fluency for subtraction – calculating to 20 and then making links to 100 and beyond. Subtraction can't be done in any order and compensation is a method that can be used in subtraction.	Hundreds, tens, ones, subtraction, take away, equal, place value, difference, re-group, minuend, less than, fewer than, minus, add
3LS7 - Fact Families and Applying the Inverse	Commutativity for addition but not subtraction. Using part-whole models, an understanding that related facts and inverse operations can be used to find missing numbers.	Equal, less than, more than, difference, total, hundreds, tens, ones, subtract, add, commutative, part-whole model, total, sum, equal, balance, parts, whole

3LS8 - Written Addition	Place value understanding for addition and re-grouping (exchanging)	Hundreds, tens, ones, place value, regroup, exchange, calculation, sum, same, different, addition, subtraction, method, total, formal, more than, less than
3LS9 - Written Subtraction	Place value understanding for subtraction and re-grouping (exchanging)	Hundreds, tens, ones, place value, regroup, exchange, calculation, sum, same, different, addition, subtraction, method, total, formal, more than, less than, minuend
3LS10 - Problem Solving – Worded Problems	An understanding of part-whole models is used for addition and subtraction problems	Start, change, result, altogether, part whole mode, part, whole, more, less, fewer, hundreds, tens, ones
3LS11 - Statistics – Interpreting Bar Charts and Tables	Construct and interpret bar charts in a number of contexts. Magnitude and counting skills will be used to read intervals.	Bar charts, intervals, data, same, different, scale, value
3LS12 - Angles, Right Angles and Estimation	Securing an understanding of right angles.	Angle, turn, internal, property, shapes, right angle, less, more, turn, greater than, less than
3LS13- Perpendicular and Parallel Lines, Vertical and Horizontal Lines	Conventions of labelling lines – parallel, perpendicular, horizontal, vertical lines,	Perpendicular, lines, parallel, horizontal, vertical, straight, right angle, edges
3LS14 - 2-D Shape – Properties and Drawing	Properties of 2D shapes	Properties, vertices, vertex, faces, congruent, polygons, regular, irregular, right angles, sides, 2D, internal, triangle, quadrilateral, pentagon, hexagon, rectangle, octagon, equal, length, shape
3LS15 - Perimeter Including Problem Solving Using Written and Mental Methods	Calculating perimeters	Length, width, perimeter, shape, rectangle, side, add, doubled, centimetres, metres, count, polygons, sum, altogether, total
3LS16 - Multiplication – 3, 4 and 8 Times Tables including Counting	Building understanding of arrays	Arrays, repeated addition, times, times table, multiple, addition, count, multiplication, groups, total, equal, altogether
3LS17 - Division – 1, 2, 3, 5, 4 and 8 Times Tables	Dividing by sharing and grouping	Divide, arrays, sharing, groups, multiplication, quotient, equal, multiples, 'fact families,' repeated addition, counting, divisibility, remainders

3LS18 - Multiplication – Strategy, Associative and Distributive Laws	Links made with doubling and halving and the x2, x5 and x10. The associative and distributive laws are introduced	Doubling, halving, associative law, distributive law, multiple, equal, arrays, times tables, re-grouping, multiply, divide, odd, even, groups, tens, ones
3LS19 - Statistics – Pictograms and Scaled Bar Charts	Constructing pictograms from information provided ad retrieving information from pictograms.	Pictogram, bar chart, scale, compare, total, value, symbol, multiple,
3LS20 - Multiplication and Division Worded Problems	Multiplication and division including finding: an unknown number of groups, an unknown size of group or an unknown product.	Total, bar model, divide, multiplication, multiple, share, group, total, arrays, altogether, product, hundreds, tens, ones
3LS21 - Fractions – Finding Fractions of Discrete and Continuous Quantities	Units and non-unit fractions and tenths to ten equal parts. Bar models are used to identify fractions of discrete sets.	Fractions, unit fractions, discrete, parts, whole, equal, groups, split, continuous, quantities, total, remaining, divided, quarter, half, thirds, tenths, bar model, value, denominator, numerator
3LS22 - Ordering and Comparing Fractions	Build on their prior experiences to find fractions of regular and irregular shapes.	Congruent, equivalent, smallest, largest, fractions, unit fractions, discrete, parts, whole, equal, groups, split, continuous, quantities, total, remaining, divided, quarter, half, thirds, tenths, bar model, value, denominator, numerator, subtracted, addition, answer
3LS23 - Adding and Subtracting Fractions with the Same Denominators	Adding and subtracting fractions with the same denominator.	Complements, fractions, unit fractions, discrete, parts, whole, equal, groups, split, continuous, quantities, total, remaining, divided, quarter, half, thirds, tenths, bar model, value, denominator, numerator, subtracted, addition, answer
3LS24 - Fractions – Problem Solving with Unit and Non-Unit Fractions	Using reasoning skills about the magnitude of fractions	Fractions, equal, part, whole, numerator, denominator, groups, share, divide, smaller, bigger, split
3LS25 - Multiplication – Multiplying Multiples of Ten	Using place value and known base facts	Arrays, repeated addition, times, times table, multiple, addition, count, multiplication, groups, total, equal, altogether

3LS26 - Multiplication – Formal Written Multiplication	Introduction to short multiplication	Doubling, halving, associative law, distributive law, multiple, equal, arrays, times tables, re-grouping, multiply, divide, odd, even, groups, tens, ones
3LS27 - Division Problem Solving – Sharing and Grouping	The structures for sharing and grouping for division are explored through with increasing complexity through comparison problems.	Divide, arrays, sharing, groups, multiplication, quotient, equal, multiples, 'fact families,' repeated addition, counting, divisibility, remainder
3LS28 - Division – Two and Three-Digit Numbers by One-Digit Numbers including Halving	The focus is upon linking base facts to division including where place value impacts.	Division, halving, sharing , re-grouping, remainder, arrays, groups, quotient, equal, multiples, hundreds, tens, ones, place value, equally, same, different, part-whole model
3LS29 - Multiplication, Division and Fractions – Scaling and Correspondence Problems	Relate their knowledge of multiplication and division to mixed problems involving fractions.	Integer, scaling, bar model, total, fraction, multiplication, division, 'greater than,' 'less than,' equal, groups
3LS30 - Division – Long Division	Long division – for the first time	Division, halving, sharing, re-grouping, remainder, arrays, groups, quotient, equal, multiples, hundreds, tens, ones, place value, equally, same, different, part-whole model, altogether
3LS31 - Time – Hours, Minutes, Seconds, Days, Weeks, Months, Years	Explores the unit of 60 to link hours, minutes and seconds. Estimating, ordering and comparing time as well as beginning to calculate with time.	Complements, intervals, month, days, year, minute, seconds, equal, time, one-quarter, half,
3LS32 - Time – Telling the Time (Analogue and Digital) and Estimation	Pupils record time using digital and analogue representations as well as being introduced to clock faces with Roman numerals.	Hour, minutes, seconds, days, clock face, hand, midday, midnight, o'clock, longer, after, before, quicker, quarter, half, three-quarters, past, to, clockwise, anti-clockwise, analogue, digital, Roman numerals, am, pm
3LS33 - Time – Duration	Understanding the time taken for an event.	Bar model, hour, minutes, seconds, days, clock face, hand, midday, midnight, o'clock, longer, after, before, quicker, quarter, half, three-quarters, past, to, clockwise, anti-clockwise, analogue, digital, Roman numerals, am, pm

3LS34 - Securing the Four Operations with Whole Number including Problem Solving	Understanding the four operations in the context of problem solving. Recaps key skills such as regrouping and base facts such as complements to 100 and multiplication facts.	Addition, subtraction, multiplication, division, rebalancing, calculation, place value, hundreds, tens, ones, estimate, magnitude, benchmarks,
3LS35 - Place Value and Decimals – Ten Times Greater and Ten Times Smaller	The focus is upon relating tenths and the whole to scaling by ten to be ten times greater or smaller.	Tenths, whole, parts, equally, equivalent, share, decimals, quantities, measures
3LS36- Place Value and Decimals – Regrouping	Develop a visual understanding of the relationship between decimal numbers in order to accurately compare and order them.	Hundreds, tens, ones, tenths, place value, decimals, digits, part-whole model, equal,
3LS37 - Place Value and Decimals – Estimation, Comparing and Rounding	Estimation and magnitude with decimal numbers.	Place value, hundreds, tens, ones, tenths, decimal, estimate, round, whole, value, multiple, approximately
3LS38 - Measures – Measuring and Problem Solving	Measures involving length, mass and volume/capacity. Re-grouping to support addition and subtraction is used.	Length, width, measure, mass, capacity, volume, millilitres, litres, millimetres, centimetres, metres, grams, kilograms, scale, units, equal, multiplication, product, group,
3LS39 - 3-D Shape – Building and Identifying Properties	Focus on 3-dimensional shapes	Edges, vertices, vertex, faces, pyramids, prisms, cones, polyhedron, sphere, dimensions, cube, cuboid, orientations, curved, cylinder, straight, 3-dimensional, 2-dimensional, regular, irregular, tetrahedron, triangular, perpendicular, parallel, right angles, properties, congruent