



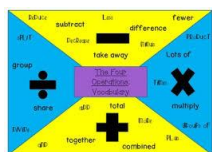
Valley College

Long Term Mapping Functional Numeracy Valley College



Valley College

1 Year Cycle		
Autumn	1	Whole Numbers
	2	Whole Numbers
Spring	1	Common Measures
	2	Shape and Space
Summer	1	Data and Statistical Measures
	2	Whole Numbers



Valley College Functional Numeracy MEDIUM TERM PLAN

Aspiration for Life	Differentiated, aspirational targets dependent on learner needs.		Language for Life	Explicit teaching/ exposure to new and know vocabulary.	Learning for Life	Opportunities to develop cross curricular skills e.g.	
<p>Functional Numeracy Skills: Mathematics equips learners with a uniquely powerful set of tools to understand and change the world in which they live. Learning basic principles of maths is essential to functioning independently within the world. In everyday life we are faced with numbers, from getting the right bus, counting money in a shop to employment. Learners understand and make connections in different areas of maths so they can apply skills to solve problems in a range of contexts.</p>	Whole Number	Whole Number	Measure	Space	Data & Statistics	Whole Number	
	Autumn 1 - 7 weeks	Autumn 2 - 7 weeks	Spring 1 - 6 weeks	Spring 2 - 6 weeks	Summer 1 - 5 weeks	Summer 2 - 7 weeks	
	<p style="text-align: center;">Entry Level 1</p> <ul style="list-style-type: none"> Count reliably up to 10 items Read and write numbers up to 10, including zero Order and compare numbers up to 10, including zero <p style="text-align: center;">Pre Entry Level 1</p> <ul style="list-style-type: none"> Join in rote counting to 10 Continue rote counting onwards from a given small number Count a) reliably up to five b) with some inconsistencies, up to 10 objects Compare two given numbers of objects in groups of up to five, communicating <ul style="list-style-type: none"> a) Which is more b) Which is less When working with numerals from 0 to 10 <ul style="list-style-type: none"> a) Know their value b) Recognise them c) Use them d) With some inconsistencies, record them Relate numbers to collections of objects <ul style="list-style-type: none"> a) Reliably to five b) With support to 10 	<p style="text-align: center;">Entry Level 1</p> <ul style="list-style-type: none"> Add single-digit numbers with totals to 10 Subtract single-digit numbers from numbers up to 10 Interpret +, - and = in practical situations for solving problems Use a calculator to check calculations using whole numbers <p style="text-align: center;">Pre Entry Level 1</p> <ul style="list-style-type: none"> Add single-digit numbers <ul style="list-style-type: none"> a) Reliably to five b) With support to 10 Subtract single-digit numbers <ul style="list-style-type: none"> c) Reliably to five d) With support to 10 Use ordinal numbers, from first to fifth, when describing the position of <ul style="list-style-type: none"> a) Objects b) People c) Events Recognise and apply <ul style="list-style-type: none"> a) + b) - c) = Such as when working with a calculator to input numerals from 0 to 10 	<p style="text-align: center;">Entry Level 1</p> <ul style="list-style-type: none"> Recognise and select coins and notes Relate familiar events to: times of the day; days of the week; seasons of the year Describe size and use direct comparisons for the size of at least two items Describe length, width, height, and use direct comparisons for length, width and height of items Describe weight and use direct comparisons for the weight of items Describe capacity and use direct comparisons for the capacity of items <p style="text-align: center;">Pre Entry Level 1</p> <ul style="list-style-type: none"> Recognise familiar events to a) the names of the days of the week b) the significant times in the day Describe and compare differences in sizes between two items, where the difference is marked, using a simple comparative vocabulary including a) large, big, small b) larger, bigger, smaller Describe and compare the lengths and heights of two items, where the difference is marked, using a simple 	<p style="text-align: center;">Entry Level 1</p> <p>Understand everyday positional vocabulary (e.g. between, inside or near to)</p> <p style="text-align: center;">Pre Entry Level 1</p> <ul style="list-style-type: none"> Understand and apply simple positional vocabulary, including a) in, out b) inside, outside c) above, below d) under, over e) front, back f) in front, behind Understand and apply direction of movement in simple statements, including a) forwards, backwards b) up, down, c) left, right 	<p style="text-align: center;">Entry Level 1</p> <ul style="list-style-type: none"> Extract simple information from lists Sort and classify objects using a single criterion Construct simple representations or diagrams, using knowledge of numbers, measures or shape and space <p style="text-align: center;">Pre Entry Level 1</p> <ul style="list-style-type: none"> Recognise, describe and create lists of up to five items that are ordered a) numerically, b) alphabetically, c) by pattern or sequence Sort objects by a single criterion, including a) outline shape, b) size, c) weight, d) quantity, e) colour and f) function from collections of i) up to five objects ii) with support, up to 10 objects Use simple representations or diagrams from counting numbers up to 10 such as using a number line Solve given problems involving numbers a) up to five b) with support, up to 10 Estimate, and check by counting, numbers a) up to five b) with support, up to 10 such as when 	<p style="text-align: center;">Entry Level 1</p> <ul style="list-style-type: none"> Count reliably up to 10 items Read and write numbers up to 10, including zero Order and compare numbers up to 10, including zero <p style="text-align: center;">Pre Entry Level 1</p> <ul style="list-style-type: none"> Join in rote counting to 10 Continue rote counting onwards from a given small number Count a) reliably up to five b) with some inconsistencies, up to 10 objects Compare two given numbers of objects in groups of up to five, communicating <ul style="list-style-type: none"> c) Which is more d) Which is less When working with numerals from 0 to 10 <ul style="list-style-type: none"> e) Know their value f) Recognise them g) Use them h) With some inconsistencies, record them Relate numbers to collections of objects <ul style="list-style-type: none"> c) Reliably to five d) With support to 10 	

			<p>comparative vocabulary, including a) long, short, tall b) longer, shorter, taller</p> <ul style="list-style-type: none"> Describe and compare the weights of two items, where the difference is marked, using a simple comparative vocabulary, including a) heavy, light b) heavier, lighter Describe and compare difference in a) capacity, b) quantities of two items, where the difference is marked, using a simple comparative vocabulary, including i) full, empty, ii) holds more than, holds less than iii) has more, has less Recognise and select a) coins up to £2.00 b) notes up to £10.00 		estimating the number of people in a group	
SUGGESTED FUNCTIONAL ACTIVITIES <i>(Choose from or use suitable alternative)</i>						
<p>Reading numbers in the environment and the community e.g. signs, notices.</p> <p>Join in rote counting to 10. Continue rote counting onwards from a given small number.</p> <p>Count reliably up to five with some inconsistencies, up to 10 objects</p>	<p>Compare two given numbers of objects in groups of up to five, communicating</p> <ol style="list-style-type: none"> which is more which is less <p>Phone numbers Directions (e.g. go to the third door) Money Number lines. Lists House numbers Queues</p>	<p>Recipes Following a set of instructions Making drinks Using money to pay and get change. Timetables / marking events on a planner. Sorting / ordering objects by size. Relate familiar events to the names of the days of the week and the significant times in the day. Measuring a room. Average age / height of class.</p>	<p>Putting shopping away Preposition of items Sort clothes by size / gender. Compare temperatures in different countries. Reading maps</p>	<p>Find contact numbers from a list. Sorting bottles for recycling Writing a shopping list Arranging books by subject / music by type Colour coding League tables (e.g. football)</p>	<p>Reading numbers in the environment and the community e.g. signs, notices.</p> <p>Join in rote counting to 10. Continue rote counting onwards from a given small number.</p> <p>Count reliably up to five with some inconsistencies, up to 10 objects</p>	

			Adding and taking away functional items and setting tables									
	SKILLS											
	Count Read Write Find Understand	Compare Present Interpret Explain Estimate Solve	Count Read Write Find Understand	Compare Present Interpret Explain Estimate Solve	Describe	Measure Compare Present Interpret Explain Estimate	Make Build Construct Draw Preposition	Name Describe Compare Measure.	Count Read Write Find Understand	Tally Sort Represent	Count Write Read Order Compare	Subtract Add Recall Interpret Approximate
	VOCABULARY EXAMPLES <i>(In addition to 'skills' terms listed above) See Vocabulary list for more.</i>											
	Number Place Value Addition Subtraction	Number Place Value Addition Subtraction	Length- mm, cm, m Mass- mg, g, kg Capacity- ml, cl, l, Time- 12/24 hour Money denominations Standard Non-standard	Position/direction language Preposition	List Sort Categorise	Number Place Value Addition Subtraction Multiplication Division Equals						
	IMPLEMENTATION											
INTENT	Week 1 Read numbers in the environment Week 2 - 4 Functional Counting Week 5 – 6 Grouping and counting Week 7: Assessment	Week 1-2 Adding and Taking Away groups Week 3-4 Functional table settings Week 5-7 More and Less	Week 1 – Days and Times Week 2 – 3 Following sets of instructions (e.g. recipe) Week – 4 -5 Size big, small and large Week 6 Making Drinks Week 7: Assessment	Week 1-2 Measuring using a ruler and objects Week 3-4 Money – paying and getting change Week 5-6 Money – Preposition	Week 1-2 Interpreting tables e.g. football Week 3 Sorting clothes Week 4 Writing a shopping list Week 5: Assessment	Week 1 Read numbers in the environment Week 2 - 4 Functional Counting Week 5 – 6 Grouping and counting Week 7: Assessment						