



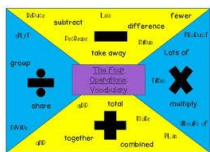
Valley College

Long Term Mapping Functional Numeracy Valley College



Valley College

		1 Year Cycle
Autumn	1	Whole Numbers- (EL1 onwards)
	2	Fractions, Decimals and Percentages- (EL2 onwards) Whole Numbers- (EL1 and below)
Spring	1	Common Measures- (EL1 onwards)
	2	Shape and Space- (EL1 onwards)
Summer	1	Data and Statistical Measures- (EL1 onwards)
	2	Whole Numbers- (EL1 onwards) Functional Skills practice papers- (EL1 onwards)



Valley College Functional Numeracy MEDIUM TERM PLAN

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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		F,D & P		Measure		Shape & 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	
	To identify and select numbers in our environment and use these to help us in our lives.		To know how to recognise and interpret fractions, decimals and percentages functionally.		To read and understand different units of measure and understand how to use these functionally.		To recognise and use shapes in our environment.		To read, interpret and compare mathematical information and know that it can be used for different purposes		To understanding how numbers can give us information and we can use this functionally in the world around us.	
	SUGGESTED FUNCTIONAL ACTIVITIES <i>(Choose from or use suitable alternative)</i>											
	Reading numbers in the environment and the community e.g. signs, notices. Phone numbers Directions (e.g. go to the third door) Money Number lines. Lists House numbers		Reductions on items Reading price labels Understand prices on a menu Using a calculator Read fractions or quantities in a recipe Directions – units of measure in distance. Work out wages.		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. Understanding use by dates on food. Calculating cost of activities e.g. cinema. Setting alarm clock. Measuring a room.		Traffic signs. Following directions Finding shapes in the environment eg. Wallpaper / prints. Maps Streetmap.co.uk Packing items into a space e.g. car Fill shelves with items.		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) Holiday brochures. Sort clothes by size / gender. Compare temperatures in different countries. Reading maps Average age / height of class.		Read speed limits on signs. Page numbers Find a place Difference in price between two products. Calculate a total number of items. Rounding up. Stock checking	
	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	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 Multiplication Division Equals	Fractions Part of a whole Half Quarter Numerator Denominator Equal parts	Length- mm, cm, m Mass- mg, g, kg Capacity- ml, cl, l, Time- 12/24 hour Money denominations Standard Non-standard	Geometry Properties 2D/3D shapes Position/direction language Angles	Data Graphs Survey Questionnaire Diagram Chart	Rounding Halves and Quarters Multiple and divide Calculator Ratio
		IMPLEMENTATION					
INTENT	Week 1 Read numbers in the environment Week 2 Phone numbers Week 3-4 Money tasks Week 5-6 Lists Week 7: Assessment	Week 1-2 Fractions – in a recipe Week 3-4 Decimals – understanding prices Week 5-7 Percentages – reductions on food	Week 1-2 Following sets of instructions (e.g. recipe) Week 3-4 Money – paying and getting change Week 5 Timetables - travel Week 6: Assessment	Week 1-2 Following directions to a place Week 3-4 Interpreting maps functionally Week 5-6 Shapes in the community.	Week 1-2 Interpreting tables e.g. football Week 3 Sorting clothes Week 4 Writing a shopping list Week 5: Assessment	Week 1-2 Finding a place Week 3-4 Shopping – finding the best deal Week 5-6 Understanding use by dates on food Week 7: Stock checking	

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