

The Springfield Centre 2022 - 2023 Planning Subject: Maths Foundation

CYCLE 1

Topic	1	2	3	4	5	6	7	8
Unit of work / topic	Multiples and factors	Fractions	Number sense	Directed number	Algebraic expressions	Linear equations and inequalities	FDP	Percentages
Learning intentions (With links to the NC and spec)	Multiples, factors, prime factor decomposition, LCM, HCF,	Simplify, Equivalent, ordering, mixed number conversion, adding, subtracting	multiplication facts, ordering number, rounding, 10, 100, 1000, Decimal places, significant figures, estimation	Adding and subtracting positives and negatives. Recognise adding negatives and subtracting negatives. Multiply and divide negatives	Collecting like terms, expanding brackets, simplifying expressions, factorising, expanding double brackets, indices	Solving 2 and 3 step equations, inequalities	Conversion between fraction, decimal and percentages	Percentage of amount, increase, decrease and change, reverse percentages
Retrieval opportunities	Mental maths, Venn diagrams	LCM, operations	Place value, ordering number	ordering number, fractions	LCM, directed number, negative numbers, multiplication, division	Algebraic expressions, 4 operations	Equivalent fractions	Dividing and multiplying by powers of 10
Links to alternative qualifications	Functional Skills. Entry level 3 Level 1 & 2	Functional Skills. Entry level 3 Level 1 & 2	Functional Skills. Entry level 3 Level 1 & 2	Functional skills level 2	Functional skills level 2	Functional skills level 2 (worded 1/2 step)	Functional Skills Level 1 & 2	Functional Skills Level 1 & 2
Assessments and DIRT				Mixed progress assessment				Mixed progress assessment

CYCLE 2

Topic	9	10	11	12	13	14	15	16
W/C								
Unit of work / topic	Linear Sequences	Graphs	Comparing data	Decimals	Area	Ratio and proportion	Perimeter	Probability
Learning intentions (With links to the NC and spec)	Generating sequences, nth term	Co-ordinates, linear graphs	Averages (mean, median and mode), frequency tables, grouped frequency tables, data analysis	Place value, ordering, adding and subtracting, multiply and divide, standard form	2D shapes, compound shapes, circles	Simplify ratio, write as a fraction, recipes, unitary method, direct proportion	2D shapes, compound shapes, circles	Basic, frequency trees, probability trees, sum to 1, two way tables,
Retrieval opportunities	Substitution	Substitution, linear equations	Directed number, rounding	Number sense, multiply and divide by powers of 10	Algebraic expressions, substitution	Area, angle facts, metric units	Algebraic expressions, substitution	Fractions, decimals and percentages
Links to alternative qualifications			Functional Skills. Entry level 3 Level 1 & 2	Functional Skills. Entry level 3 Level 1 & 3	Functional skills level 2	Functional skills level 1 & 2	Functional skills level 2 only	Functional skills level 1 & 2
Assessments and DIRT				Mixed progress assessment				Mixed progress assessment

CYCLE 3

Topic	17	18	19	20	21	22	23
W/C							
Unit of work / topic	Pythagoras	Angles	Charts	2D shapes	Volume and Surface area	Transformations	Compound measures
Learning intentions (With links to the NC and spec)	Find short side, find long side, worded	Angle facts, straight line, around a point, triangles, quadrilaterals, parallel lines	Bar charts, pie charts, pictograms, tally charts, stem and leaf	Shape properties	Volume of cuboids and prisms. Surface area of cuboids and prisms	Rotation, reflection, translation and enlargement	Time and metric unit conversions, SDT, DMV, PFA
Retrieval opportunities	Substitution, fractions	Linear equations	Frequency tables, averages		Expressions, linear equations, shape properties	Plotting graphs, 2D shape properties	Conversions, number sense, fractions
Links to alternative qualifications		Functional skills entry level 3 and level 1	Functional skills entry level 3, level 1 & 2	Functional skills entry level 3, level 1 & 2	Functional skills level 2		
Assessments and DIRT				Mixed progress assessment			