

PEARSON/EDXCEL SCHEMES OF WORK ADAPTED FOR FOREST HILL SCHOOL (KS3: EXPLORER)

YEAR 7					KS3 Maths Progress					Pi 1 and Pi 3				
TERM	UNIT / LESSON	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
TERM	UNIT / LESSON	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
W1	AUTUMN	1. Analysing and displaying data			1st (grade 1)	4th (grade 2)								
		1.1 Tables and pictograms	1st (grade 1)	3rd (grade 2)										
		1.2 Bar charts	2nd (grade 1)	3rd (grade 2)										
		1.3 Grouped data	2nd (grade 1)	3rd (grade 2)										
		INVESTIGATION: KS3 DATA COLLECTION												
		1.4 Mode and modal class	3rd (grade 2)	3rd (grade 2)										
		1.5 Range and median	2nd (grade 1)	4th (grade 2)										
		1.6 Mean	3rd (grade 2)	4th (grade 2)										
		PROBLEM-SOLVING ACTIVITIES												
		2. Calculating	1st (grade 1)	3rd (grade 2)										
W2	AUTUMN	2.1 Adding	1st (grade 1)	2nd (grade 1)										
		2.2 Subtracting	1st (grade 1)	2nd (grade 1)										
		2.3 Multiplying	1st (grade 1)	3rd (grade 2)										
		RICH TASK 2: FACTORS & MULTIPLES GAME												
		2.4 Dividing	1st (grade 1)	3rd (grade 2)										
		INVESTIGATION: OPPOSITE CORNERS												
		2.5 Multiplying and dividing	1st (grade 1)	3rd (grade 2)										
		2.6 Using the four operations	1st (grade 1)	3rd (grade 2)										
		2.7 Positive and negative numbers	1st (grade 1)	3rd (grade 2)										
		RICH TASK 14: WHY IS 1089 SO SPECIAL?												
W3	AUTUMN	PROBLEM-SOLVING; REVISION												
		HALF TERM TEST												
W4	AUTUMN	3. Expressions, functions and formulae	2nd (grade 1)	5th (grade 3)										
		3.1 Using functions	2nd (grade 1)	2nd (grade 1)										
		3.2 Function machines	3rd (grade 2)	3rd (grade 2)										
		3.3 Simplify expressions	3rd (grade 2)	3rd (grade 2)										
		3.4 Writing expressions	4th (grade 2)	4th (grade 2)										
		3.5 STEM: Using formulae	3rd (grade 2)	5th (grade 3)										
		RICH TASK 3: RICH TASK 23: SUMMING CONSECUTIVE NUMBERS												
		3.6 Writing formulae	4th (grade 2)	4th (grade 2)										
		PROBLEM-SOLVING ACTIVITIES												
		4. Graphs	2nd (grade 1)	5th (grade 3)										
W5	AUTUMN	4.1 Real-life graphs	3rd (grade 2)	3rd (grade 2)										
		4.2 Coordinates	2nd (grade 1)	5th (grade 3)										
		RICH TASK 15: SQUARE COORDINATES												
		4.3 Graphs of functions	4th (grade 2)	4th (grade 2)										
		4.4 STEM: Scientific graphs	5th (grade 3)	5th (grade 3)										
		PROBLEM-SOLVING ACTIVITIES												
		PROBLEM-SOLVING; REVISION												
		END OF TERM TEST												

TERM	UNIT / LESSON	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
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W6	SPRING	5. Factors and multiples			1st (grade 1)	3rd (grade 2)								
		5.1 Number rules and divisibility	1st (grade 1)	3rd (grade 2)										
		RICH TASK 1: POSITIVE DIFFERENCES												
		5.2 Multiples	1st (grade 1)	2nd (grade 1)										
		5.3 Multiplication	2nd (grade 1)	3rd (grade 2)										
		5.4 Division	1st (grade 1)	3rd (grade 2)										
		5.5 Solving problems	1st (grade 1)	2nd (grade 1)										
		5.6 Factors and primes	2nd (grade 1)	3rd (grade 2)										
		5.7 Common factors and multiples	2nd (grade 1)	3rd (grade 2)										
		PROBLEM-SOLVING ACTIVITIES												
W7	SPRING	6. Decimals and measures	1st (grade 1)	5th (grade 3)										
		6.1 Estimates and measures	1st (grade 1)	3rd (grade 2)										
		6.2 Decimal numbers	1st (grade 1)	3rd (grade 2)										
		RICH TASK 28: DECIMAL ARITHMETIC												
		6.3 Metric units	2nd (grade 1)	3rd (grade 2)										
		6.4 Adding and subtracting decimals	2nd (grade 1)	3rd (grade 2)										
		RICH TASK 5: NUMBER SHACK												
		6.5 Rounding	2nd (grade 1)	3rd (grade 2)										
		6.6 Multiplying and dividing decimals	3rd (grade 2)	3rd (grade 2)										
		6.7 FINANCE: Calculating with money	3rd (grade 2)	5th (grade 3)										
W8	SPRING	PROBLEM-SOLVING; REVISION												
		HALF TERM TEST												
W9	SPRING	7. Angles and lines	1st (grade 1)	3rd (grade 2)										
		7.1 Right angles and lines	1st (grade 1)	3rd (grade 2)										
		7.2 Measuring angles 1	2nd (grade 1)	2nd (grade 1)										
		RICH TASK 10: HOW MANY ANGLES?												
		7.3 Measuring angles 2	3rd (grade 2)	3rd (grade 2)										
		7.4 Drawing and estimating angles	2nd (grade 1)	3rd (grade 2)										
		7.5 Putting angles together	3rd (grade 2)	3rd (grade 2)										
		PROBLEM-SOLVING ACTIVITIES												
		8. Measuring and shapes	1st (grade 1)	1st (grade 1)										
		8.1 Shapes	1st (grade 1)	3rd (grade 2)										
W10	SPRING	INVESTIGATION: FLAGGING												
		8.2 Symmetry in shapes	2nd (grade 1)	4th (grade 2)										
		8.3 More symmetry	3rd (grade 2)	4th (grade 2)										
		8.4 Regular polygons	1st (grade 1)	3rd (grade 2)										
		8.5 Perimeter	1st (grade 1)	3rd (grade 2)										
		8.6 Area	2nd (grade 1)	3rd (grade 2)										
		PROBLEM-SOLVING; REVISION												
		END OF TERM TEST												

STEPS REFER TO THE 12-STEP PEARSON MODEL				
TERM	UNIT / LESSON	STEPS PART A	STEPS 7B	LEARNING OBJECTIVES
	SUMMER	9 Fractions, decimals and percentages	1st (grade 1)	3rd (grade 2)
27	16/04/2018	9.1 Comparing fractions	1st (grade 1)	3rd (grade 2)
28	23/04/2018	9.2 Equivalent fractions	1st (grade 1)	3rd (grade 2)
		9.3 Calculating with fractions	1st (grade 1)	3rd (grade 2)
		9.4 Adding and subtracting fractions	1st (grade 2)	3rd (grade 2)
		9.5 Introducing percentages	2nd (grade 1)	3rd (grade 2)
		9.6 FINANCE: Finding percentages	3rd (grade 2)	3rd (grade 2)
29	30/04/2018	PROBLEM-SOLVING ACTIVITIES		RICH TASK 7: FRACTION ARRANGEMENT
	SUMMER P1	10 Transformations	1st (grade 1)	5th (grade 3)
		10.1 Reflection	1st (grade 1)	3rd (grade 2)
		RICH TASK 18: ENTRAPMENT		
30	07/05/2018	10.2 Translation	2nd (grade 1)	3rd (grade 2)
		RICH TASK 4: WILL THEY MEET?		
31	14/05/2018	10.3 Rotation	3rd (grade 2)	4th (grade 2)
		10.4 STEM: Congruency	1st (grade 1)	4th (grade 2)
	P1 3	11 B.10.1 Quadrilaterals	5th (grade 3)	5th (grade 3)
32	21/05/2018	PROBLEM-SOLVING ACTIVITIES		RICH TASK 13: HOW MANY QUADRILATERALS?
33	04/06/2018	REVISION FOR END OF YEAR TESTS		
34	11/06/2018	REVISION FOR END OF YEAR TESTS		
35	18/06/2018			
36	25/06/2018	END OF YEAR TESTS: NON-CALCULATOR & CALCULATOR		
37	02/07/2018	FINANCIAL MATHS		
38	09/07/2018	FINANCIAL MATHS		
39	16/07/2018	FEEDBACK FROM END OF YEAR TESTS		
40	23/07/2018	FEEDBACK FROM END OF YEAR TESTS		