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

YEAR 7	KS3 Maths Progress	Pi 1 and Pi 3	1						_	STEDS REEED	TO THE 12-STEP PEARS	ON MODE		
TERM	UNIT / LESSON STEPS STEPS	OBJECTIVES		TERM	UNIT / LESSON	STEPS	STEPS	LEARNING OBJECTIVES		TERM	UNIT / LESSON	STEPS	STEPS	LEARNING OBJECTIVES
AUTUMN	1 Analysing and displaying 1st (grade 1) 4th (grade 2)			SPRING	5 Factors and multiples	FROM 1st (grade 1)	Tn 3rd (grade 2)			SUMMER	9 Fractions, decimals and	FROM 1st (grade 1	TO 3rd (grade 2)	
Wk.	data 1.1 Tables and pictograms 1st (grade 1) 3rd (grade 2)		-			1st (grade 1)	3rd (grade 2)		Н		9.1 Comparing fractions	1st (grade 1	_	
1 04/09/2017	1.2 Bar charts 2nd (grade 1) 3rd (grade 2)	Find information from tables and pictograms.	15	01/01/2018	nahelinarhiar		(6.0.0.0.)	Understand the priority of operations.	27	16/04/2018				Order fractions.
2 11/09/2017		Find information from bar and bar-line charts.	16	08/01/2018	RICH TASK 1: POSTIVE D	IFFERENCES		Understand the rules of multiplication.	28	23/04/2018				Use fractions to describe parts of shapes.
ı 18/09/2017	1.3 Grouped data 2nd (grade 1) 3rd (grade 2)	Display data using bar and bar-line charts. Organise data using a tally chart.			5.2 Multiples	1st (grade 1)	2nd (grade 1)	Use the operation keys on a calculator. Recognise multiples of 2, 5, 10 and 25.			9.2 Equivalent fractions	1st (grade 1)	3rd (grade 2)	Identify equivalent fractions. Simplify fractions by cancelling.
		Understand and use frequency tables.						Work out multiples.						Change an improper fraction to a mixed number.
	INVESTIGATION: KS3 DATA COLLECTION	Understand and draw a grouped bar chart.			5.3 Multiplication	2nd (grade 1)	3rd (grade 2)	Multiply 3-digit numbers by a single digit.			9.3 Calculating with fractions	1st (grade 1	3rd (grade 2)	Calculate simple fractions of quantities.
	1.4 Mode and modal class 3rd (grade 2) 3rd (grade 2)	Find the mode of a set of data.						Round numbers to the nearest 100 and 1000.			9.4 Adding and subtracting fracti	ions 3rd (grade 2	3rd (grade 2)	Add and subtract simple fractions.
		Find the modal class of a set of data. Find the range and median of a set of data.			5.4 Division	1st (grade 1)	3rd (grade 2)	Divide 3-digit numbers by a single digit. Decide whether you can divide a number by 2, 5, 9 or 10.			9.5 Introducing percentages	2nd (grade 1	3rd (grade 2)	Understand percentage as 'the number of parts per 100'. Write a percentage as a fraction or decimal.
	1.5 Range and median 2nd (grade 1) 4th (grade 2)	Find the range and median or a set or data. Compare sets of data using their range, mode and median						Decide whether you can dwide a number by 2, 5, 9 or 10. Begin to identify factors of numbers.			9.6 FINANCE: Finding percentage	s 3rd (erade 2	1 3rd (grade 2)	Write a percentage as a fraction or decimal. Calculate percentages.
	1.6 Mean 3rd (grade 2) 4th (grade 2)	Calculate the mean of a set of data.			5.5 Solving problems	1st (grade 1)	2nd (grade 1)	Solve problems involving multiplication and division.			PROBLEM-SOLVIN	-	-	
								ose a carculator to sowe moropecation and division problems.	29	30/04/2018 SUMMER			5th (grade 3)	RICH TASK 7: FRACTION ARRANGEMENT
4 25/09/2017	PROBLEM-SOLVING ACTIVITIES				5.6 Factors and primes	2nd (grade 1)	3rd (grade 2)	Find factors of numbers.		Pi 1	10 Transformations 10.1 Reflection	1st (grade 1	3rd (grade 2)	Reflect a shape in a mirror line.
AUTUMN	2 Calculating 1st (grade 1) 3rd (grade 2)							townery prime numbers.			RICH TASK 18: EN	TRAPMEN	T	
s 02/10/2017	2.1 Adding 1st (grade 1) 2nd (grade 1)	Add numbers together in different ways.			5.7 Common factors and multiples	2nd (grade 1)	3rd (grade 2)	Recognise and use multiples, factors and primes.	30	07/05/2018	10.2 Translation	2nd (grade 1	3rd (grade 2)	Translate a shape.
6 09/10/2017		Round to the nearest 10.						Find common factors and common multiples.			RICK TASK 4: WIL	L THEY ME	ET?	
		Approximate before adding.						Work out the HCF and LCM of two numbers.	31	14/05/2018	10.3 Rotation			Draw and describe rotations.
	2.2 Subtracting 1st (grade 1) 2nd (grade 1)	Subtract numbers in different ways. Approximate before subtractine.						Work out if a number is divisible by 3, 4 or 6.			10.4 STEM: Congruency		4th (grade 2)	Identify congruent shapes.
		Approximate centre sconditing.	17		PROBLEM-SOLVING				Ш	Pi 3	Pf 3: 10.1 Quadrilaterals	5th (grade 3) Sth (grade 3)	identify the properties of quadrilaterals.
	2.3 Multiplying 1st (grade 1) 3rd (grade 2)	Multiply numbers.		SPRING	6 Decimals and measures	1st (grade 1)	5th (grade 3)			21/05/2018	PROBLEM-SOLVIN	NG ACTIVE		RICH TASK 13: HOW MANY QUADRILATERALS?
			-		6.1 Estimates and measures	1st (grade 1)	3rd (grade 2)		12	21/03/2016		-3-ACIIVI		
	RICH TASK 2: FACTORS & MULTIPLES GAME	Recognise multiples.	18	22/01/2018				Estimate, and choose suitable units, to measure length, mass and capacity. Draw lines to the nearest mm and measure lines to the nearest rm						
	RICH TASK 16: HOW MANY POLAR BEARS?	Recognise square numbers.	19	29/01/2018										
		Find roots of square numbers on a calculator.	1					Read a variety of scales. Record estimates to a suitable degree of accuracy.						
	2.4 Dividing 1st (grade 1) 3rd (grade 2) INVESTIGATION: OPPOSITE CORNERS	Divide one number by another. Use times tables to help you divide.			6.2 Decimal numbers	1st (grade 1)	3rd (grade 2)	Record estimates to a suitable degree of accuracy. Read and write numbers in figures and words.						
		Use approximation to estimate division calculations.						including in measures.						
	INVESTIGATION: PARTITIONING				RICH TASK 28: DEC	IIVIAL AKITE	METIC							
	2.5 Multiplying and dividing 3rd (grade 2) 3rd (grade 2)	Multiply and divide by 10, 100 and 1000. Use addition, subtraction, multiplication and division.			6.3 Metric units	2nd (grade 1)	3rd (grade 2)	Read and interpret scales using decimals. Order metric measurements						
	2.0 Oring the root operations 21t (grade 2)	Use addition, subtraction, multiplication and division. Solve simple ratio and proportion problems.			o. 3 metric discs	Zito (grade 2)	Jid (grade 2)	Order metric measurements. Convert between different units of measure.						
	2.7 Positive and negative 1st (grade 1) 3rd (grade 2)	Use simple negative numbers.						Read and interpret scales.						
	RICH TASK 14: WHY IS 1089 SO SPECIAL?	Continue a sequence.						Record measurements.						
7 16/10/2017	PROBLEM-SOLVING; REVISION	HALF TERM TEST			6.4 Adding and subtracting	2nd (grade 1)	3rd (grade 2)	пасодные эни милени пиниме эмфиниль му сочиния; ин иментыв.						
					RICH TASK 5: NUM	BER SHACK		AGO and SQCOACL DECIMAL NUMBERS.						
								Extend mental methods of calculation, to include decimals. Round decimals to nearest whole number and nearest tenth.						
					6.5 Rounding	2nd (grade 1)	3rd (grade 2)							
								Use a calculator and interpret the display in different contexts (decimals).						
					6.6 Multiplying and dividing decimals	3rd (grade 2)	3rd (grade 2)	Consolidate and extend mental calculation methods, including decimals.						
								Multiply and divide decimal numbers.						
					6.7 FINANCE: Calculating with money	3rd (grade 2)	5th (grade 3)	Use a calculator to solve word problems involving money. Round amounts on a calculator to 2 decimal places.						
			20	05/02/2018	PROBLEM-SOLVING:	REVISION		Round amounts on a calculator to 2 decimal places. HALF TERIVI TEST						
			F	03/02/2020		1124151014		17.12.12.11.12.1	-					
AUTUMN	3 Expressions, functions and 2nd (grade 1) 5th (grade 3)			SPRING	7 Angles and lines	1st (grade 1)	3rd (grade 2)		33	04/06/2018	REVISION FOR END	OF YEAR T	ESTS	
s 30/10/2017	3.1 Using functions 2nd (grade 1) 2nd (grade 1)	Find outputs of simple functions.	21	19/02/2018	7.1 Right angles and lines	1st (grade 1)	3rd (grade 2)	Know a right angle is 90 degrees.	34	11/06/2018	REVISION FOR END	OF YEAR T	ESTS	
9 06/11/2017	3.2 Function machines 3rd (grade 2) 3rd (grade 2)	Describe simple functions using words or symbols.	22	26/02/2018				Recognise quarter, half and three-quarter turns.	35	18/06/2018				
RICH TASK 11:	3.3 Simplify expressions 3rd (grade 2) 3rd (grade 2)	Simplify expressions.	1					Recognise parallel and perpendicular lines.	36	25/06/2018	END (OF YEAR T		CALCULATOR & CALCULATOR
NUMBER REVERS	3.4 Writing expressions 4th (grade 2) 4th (grade 2)	Write expressions given a description in words.	1					Use compass points.	37	02/07/2018	FINANCIAL MATHS			
	3.5 STEM: Using formulae 3rd (grade 2) 5th (grade 3)	Substitute positive integers into simple formulae written in words.	1		7.2 Measuring angles 1	2nd (grade 1)	2nd (grade 1)	Recognise acute and obtuse angles.	28	09/07/2018	FINANCIAL MATHS			
RICH TASK 3:	RICH TASK 23: SUMMING CONSECUTIVE NUMBERS	Substitute integers into simple formulae written in letter symbols.	1		RICH TASK 10: HOV	W MANY AN	GLES?	Measure acute angles.	39	16/07/2018	FEEDBACK FROM EI	ND OF YEAI	R TESTS	
CHOOSE 3 NUMBER	3.6 Writing formulae 4th (grade 2) 4th (grade 2)	Write simple formulae using words and letter symbols.	1					Label lines and angles.	40		FEEDBACK FROM EI			
10 13/11/2017	PROBLEM-SOLVING ACTIVITIES	RICH TASK 8: DIFFY?			7.3 Measuring angles 2	3rd (grade 2)	3rd (grade 2)	Recognise acute, obtuse and reflex angles.	***	,,2020				
AUTUMN	4 Graphs 2nd (grade 1) 5th (grade 3)							Measure obtuse angles.						
11 20/11/2017	4.1 Real-life graphs 3rd (grade 2) 3rd (grade 2)	Read information from real-life graphs.			7.4 Drawing and estimating angles	2nd (grade 1)	3rd (grade 2)	Estimate the size of angles.						
12 27/11/2017	4.2 Coordinates 2nd (grade 1) 5th (grade 3)	Draw graphs to show change over time. Write the coordinates of points on a grid.			7.5 Putting angles together	3rd (grade 2)	3rd (grade 2)	Draw acute angles. Find missing angles on a straight line.						
	RICH TASK 15: SQUARE COORDINATES	Plot points from their coordinates.						Find missing angles round a point.						
	4.3 Graphs of functions 4th (grade 2) 4th (grade 2)	Plot graphs of simple functions. Read values from graphs.	23	05/03/2018	PROBLEM-SOLVING	G ACTIVITIES								
	4.4 STEM: Scientific graphs Sth (grade 3) Sth (grade 3)	Read values from graphs. Draw line graphs to show relationships between quantities.	Н	SPRING 12/03/2018	8 Measuring and shapes 8.1 Shapes	1st (grade 1) 1st (grade 1)	4th (grade 2) 3rd (grade 2)	Identify triangles, squares and rectangles.						
		Draw line graphs to show relationships between quantities. Read values from science graphs.	24	12/03/2018	INVESTIGATION: FLAGG	ING		Identify triangles, squares and rectangles. Recognise the properties of triangles, squares and rectangles.						
13 04/12/2017	PROBLEM-SOLVING ACTIVITIES		Ë	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	8.2 Symmetry in shapes	2nd (grade 1)	4th (grade 2)	Describe the line symmetry of triangles, quadrilaterals and other shapes.						
14 11/12/2017	PROBLEM-SOLVING; REVISION	END OF TERM TEST	1		8.3 More symmetry	3rd (grade 2)	4th (grade 2)	Solve problems using line symmetry.						
					8.4 Regular polygons	1st (grade 1)	3rd (grade 2)	Describe rotational symmetry. Identify polygons.						
					u aguser purggons	an (grade 1)	and (grade 2)	Understand the line and rotational symmetry of rotational polygons.						
					8.5 Perimeter	1st (grade 1)	3rd (grade 2)	Find the perimeter of squares, rectangles and regular polygons.						
İ								Calculate the perimeter of shapes made from rectangles. Solve problems involving the perimeter of squares and rectangles.						
İ					8.6 Area	2nd (grade 1)	3rd (grade 2)	Use metric units to measure area. Calculate the area of squares and rectangles.						
			25	26/03/2018	PROBLEM-SOLVING;	REVISION		END OF TERM TEST						