

KEY: UNIT TITLE PRIOR LEARNING NEEDED/RE-CAPPED – BUILDING DEPTH HOW ASSESSED?

KS 3 NATIONAL CURRICULUM DESCRIPTOR/KS4 ASSESSMENT OBJECTIVE WIDER CURRICULUM LINKS

Academy curriculum intent: To provide EVERY student the opportunity to acquire academic excellence and those skills, qualities and experiences that develop well-rounded, successful and happy members of modern society.

- A 5 Year curriculum design approach for most subjects providing a logically sequenced educational journey.
- We follow the full National Curriculum at Key Stage 3 (KS3) to give our students the broadest and best start to their secondary education.
- We believe in personalisation and choice, so we offer one of the broadest ranges of KS4 GCSE option subjects in the Borough.
- Students are encouraged, but not forced to take EBacc subjects, resulting in significantly more students choosing these subjects, compared to National average.
- Knowledge and skill acquisition are key.
- We have a 'Teach to the Top' mantra, where challenge is always present and differentiation ensures all students have the scaffolding and support to 'Access the Top'
- EVERY student has access to the full ambitious curriculum. We do not reduce, narrow or restrict the curriculum for any learners.
- We pride ourselves on an extremely rich 'wider curriculum' including extracurricular; electives; trips and visits; values; oracy to increase our students' 'Cultural Capital'
- We base our curriculum design and implementation on proven educational research methods.

Subject Curriculum Intent: We deliver a Mathematics curriculum that enables all students to make excellent progress across five years of study, leading to excellent outcomes and supporting a variety of further education options. Our curriculum will be a "joined-up" approach to Mathematics; emphasising the connections between topics, which encourages students to explore those links and enjoy the discovery of new ideas and their real life applications. These ideas are carefully sequenced so that prerequisite knowledge is taught early in their time at Wixams and so that links between subjects can be built upon. This will enable students of all abilities to access more sophisticated mathematical ideas. We also set homework to support this approach by alternating between lagged tasks and retrieval of key skills.

NATIONAL CURRICULUM FOR MATHEMATICS AIMS - FOR BOTH KS3 AND KS4:

- 1. become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- 2. **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- 3. can **solve problems** by applying their mathematics to a variety of routine and nonroutine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.



	Year 7	Year 8	Year 9	Year 10		Yea	r 11
	INTRODUCE	DEVELOP	EMBED	SECURE		MASTER	
Aim	Year 7 will introduce students to key terminology, concepts and core skills needed to have success in this subject. In Mathematics we develop fluency in arithmetic processes, apply proportional reasoning methods to a variety of contexts and introduce problem solving skills.	Year 8 will develop the core skills introduced in year 7, placing greater emphasis on developing depth and understanding around key knowledge. In Mathematics we focus on multi-step processes and interpreting mathematical results, writing with clear, well-reasoned arguments	Year 9 will embed key knowledge so that it is firmly fixed in the long term memory. In Mathematics we concentrate on converting a worded or contextualised problem into mathematical processes, and then organising these processes to present a well-justified solution to a problem.	be recalled, explored ease. In Mathematic problem solving str various methods and d	owledge so that it can and built upon with as we further develop rategies, evaluating checking the validity of ument.	Year 11 will demonstrate mastery in the subject knowledge, making connections with other topics/subjects and applying it to different contexts. In Mathematics we focus on formal mathematical proof, evaluating methods, and combining mathematical topics applied to a problem.	
	NUMBER 1	NUMBER 6	FOUR BOX GRID	FOUNDATION	HIGHER	FOUNDATION	HIGHER
Unit 1	PLACE VALUE, ROUNDING, WRITTEN ARITHMETIC METHODS (KS2) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ NUMBER CONCEPTS REQUIRED ACROSS STEM SUBJECTS	NUMBER 1, NUMBER 2, ALGEBRA 1 (Y7) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY¹ CALCULATOR USE IN SCIENCE	METHOD 1 NUMBER 1 (Y7) RATIO & PROPORTION 2 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³ EXCHANGE RATES IN BUSINESS	FOUR BOX GRID METHOD F2 FOUR BOX GRIDS 1 (Y9) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³ EXCHANGE RATES IN BUSINESS	FOUR BOX GRID METHOD H2 FOUR BOX GRIDS 1 (Y9) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³ EXCHANGE RATES IN BUSINESS	RATIO & PROPORTION F6 FOUR BOX GRIDS F2, ALGEBRA F8 (Y10) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³ COMPOUND MEASURES IN PHYSICS	RATIO & PROPORTION H6 FOUR BOX GRIDS H2, ALGEBRA H8 (Y10) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³ COMPOUND MEASURES IN PHYSICS
Unit 1 end points	 PLACE VALUE ORDERING NUMBERS ROUNDING WRITTEN ADDITION, SUBTRACTION RANGE PERIMETER 	 ORDER OF OPERATIONS INCLUDING INDICES FRACTIONS ON A CALCULATOR ROUNDING ANSWERS FROM A CALCULATOR INTRODUCTION TO TRIAL & IMPROVEMENT 	 PROPORTION PROBLEMS BEST BUY PROBLEMS EXCHANGE RATES 	 PROPORTION PROBLEMS BEST BUY PROBLEMS EXCHANGE RATES 	 PROPORTION PROBLEMS BEST BUY PROBLEMS EXCHANGE RATES 	 SPEED DENSITY PRESSURE DISTANCE-TIME GRAPHS 	 SPEED DENSITY PRESSURE DISTANCE-TIME GRAPHS VELOCITY TIME GRAPHS



	NUMBER 2	NUMBER 7	NUMBER 8	RATIO & PROPORTION F5	RATIO & PROPORTION H5		COVID-19 RESEQUENCING
	ORDER OF	NUMBER 3 (Y7),	NUMBER 6 (Y8)	GEOMETRY & MEAUSRES 10 (Y9) FOUR BOX GRIDS F2	GEOMETRY & MEAUSRES 10 (Y9) FOUR BOX GRIDS H2		NUMBER H11
Unit 2	ORPERATIONS,	NUMBER 6 (Y8)	IN CLASS TEACHER	(Y10)	(Y10)		NUMBER 3 (Y7)
	MULTIPLICATION (KS2)	IN CLASS TEACHER	ASSESSMENT, SELF	IN CLASS TEACHER ASSESSMENT, SELF	IN CLASS TEACHER ASSESSMENT, SELF		IN CLASS TEACHER ASSESSMENT, SELF
	IN CLASS TEACHER	ASSESSMENT, SELF	ASSESSMENT SHEET,	ASSESSMENT SHEET, END	ASSESSMENT SHEET, END		ASSESSMENT SHEET, END
	ASSESSMENT, SELF	ASSESSMENT SHEET,	END OF TERM	OF TERM SUMMATIVE TEST REASONING ² , PROBLEM	OF TERM SUMMATIVE TEST REASONING ² , PROBLEM		OF TERM SUMMATIVE TEST
	ASSESSMENT SHEET,	END OF TERM	SUMMATIVE TEST	SOLVING ³	SOLVING ³		FLUENCY ¹ , REASONING ²
	END OF TERM	SUMMATIVE TEST	FLUENCY ¹ , PROBLEM				
	SUMMATIVE TEST	FLUENCY ¹ ,	SOLVING ³				
	FLUENCY ¹	REASONING ²	ROUNDING AND				
	NUMBER CONCEPTS	STANDARD FORM	ACCURACY IN SCIENCE				
	REQUIRED ACROSS	USED IN SCIENCE					
	STEM SUBJECTS						
Unit 2	WRITTEN METHODS FOR MULTIPLICATION,	POWERS OF 10 STANDARD FORM	ROUNDINGESTIMATING	AREA AND VOLUME CONVERSIONS	AREA AND VOLUME CONVERSIONS	•	SIMPLIFYING SURDS
end	DIVISION	PRIME FACTORS	UPPER & LOWER BOUNDS	DIRECT AND	DIRECT AND		MULTIPLYING
points	MEAN CORRECT ORDER OF	INDEX LAWS		INVERSE	INVERSE		DIVIDING SURDS
	CORRECT ORDER OF OPERATIONS, USE OF			PROPORTION, INCLUDING	PROPORTION, INCLUDING		RATIONALISING A DENOMINATOR
	BRACKETS			EQUATIONS AND	EQUATIONS AND		
	GEOMETRY &	PROBABILITY 2	NUMBER 9	GRAPHS GEOMETRY & MEASURES	GRAPHS GEOMETRY & MEASURES	COVID-19 RESEQUENCING	COVID-19 RESEQUENCING
Unit 3	MEASURES 1	NUMBER 4,	NUMBER 7 (Y8)	F13	H13	STATISTICS F4	STATISTICS H4
Omit 3	NAMES OF SHAPES,	PROBABILITY 1 (Y7)	IN CLASS TEACHER	GEOMETRY & MEASURES 5 (Y8)	GEOMETRY & MEASURES 5 (Y8) GEOMETRY &	STATISTICS 3 (Y9)	STATISTICS 14 STATISTICS 3 (Y9)
	USING MATHEMATICAL	IN CLASS TEACHER	ASSESSMENT, SELF	IN CLASS TEACHER	MEASURES 9 (Y9)	IN CLASS TEACHER	IN CLASS TEACHER
	INSTRUMENTS (KS2)	ASSESSMENT, SELF	ASSESSMENT SHEET,	ASSESSMENT, SELF ASSESSMENT SHEET, END	IN CLASS TEACHER ASSESSMENT, SELF	ASSESSMENT, SELF ASSESSMENT SHEET, END	ASSESSMENT, SELF ASSESSMENT SHEET, END
	IN CLASS TEACHER	ASSESSMENT SHEET,	END OF TERM	OF TERM SUMMATIVE TEST	ASSESSMENT SHEET, END	OF TERM SUMMATIVE	OF TERM SUMMATIVE
	ASSESSMENT, SELF	END OF TERM	SUMMATIVE TEST	FLUENCY ¹ , PROBLEM SOLVING ³	OF TERM SUMMATIVE TEST REASONING ² , PROBLEM	TEST REASONING ² , PROBLEM	TEST REASONING ² , PROBLEM
	ASSESSMENT SHEET,	SUMMATIVE TEST	FLUENCY ¹ , PROBLEM	BEARINGS IN GEOGRAPHY	SOLVING ³	SOLVING ³	SOLVING ³
	END OF TERM	FLUENCY ¹ , PROBLEM	SOLVING ³		BEARINGS IN GEOGRAPHY	USE OF AVERAGES IN SCIENCES AND	USE OF AVERAGES IN SCIENCES AND
	SUMMATIVE TEST	SOLVING ³	STANDARD FORM IN			GEOGRAPHY	GEOGRAPHY
	FLUENCY ¹	USE OF FRACTIONS IN	SCIENCE				
	USE OF RULERS ETC,	STEM SUBJECTS,					
	AREA IN STEM	IDEAS OF FAIRNESS IN					
		RE					
Unit 3	USE MATHEMATICAL	SIMPLIFY FRACTIONS	PRIME FACTORS	ANGLES IN	ANGLES IN	AVERAGES FROM	AVERAGES FROM
end	INSTRUMENTS • AREA OF SIMPLE SHAPES	ADD, SUBTRACT, MULTIPLY, DIVIDE	HCF & LCMINDEX LAWS, FRACTIONS	POLYGONS • BEARINGS	POLYGONS • BEARINGS	UNGROUPED AND GROUPED	UNGROUPED AND GROUPED
	,		11000 0 110 0 1000				0 0



	SIMPLE NETS AND SURFACE AREA	 USING VENN DIAGRAMS WITH CORRECT NOTATION PROBABILITY FROM TWO-WAY TABLES AND VENN DIAGRAMS UNDERSTAND BIAS 	STANDARD FORM CALCULATING WITH STANDARD FORM			FREQUENCY TABLES COMPARE DISTRIBUTIONS USING AVERAGES AND DIAGRAMS	FREQUENCY TABLES COMBINED MEANS COMPARE DISTRIBUTIONS USING AVERAGES AND DIAGRAMS DRAWING AND USING HISTOGRAMS
Unit 4	NUMBER 3 MULTIPLICATION TABLES (KS2) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ MULTIPLES IN FOOD TECH RECIPES	ALGEBRA 4 ALGEBRA 1 (Y7) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ²	NUMBER 10 RATIO & PROPORTION 2 (Y8) FOUR BOX GRIDS 1 (Y9) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , PROBLEM SOLVING ³ INTEREST IN BUSINESS, PERCENTAGES IN SCIENCE, GEOGRAPHY	ALGEBRA 58 ALGEBRA 5 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY¹, PROBLEM SOLVING³	ALGEBRA H8 ALGEBRA 5 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ² , PROBLEM SOLVING ³	ALGEBRA 5 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ² , PROBLEM SOLVING ³	ALGEBRA H12 ALGEBRA 5 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY¹, REASONING², PROBLEM SOLVING³
Unit 4 end points	 MULTIPLES FACTORS STANDARD NUMBER PATTERNS HCF AND LCM 	 SIMPLIFY ALGEBRAIC EXPRESSIONS EXPAND ONE OR MORE BRACKETS SOLVE SIMPLE LINEAR EQUATIONS USE AND INTERPRET INEQUALITIES 	USE MULTIPLIERS FOR PERCENTAGE INCREASE/DECREASE MULTIPLIERS FOR COMPOUND INTEREST MULTIPLIERS FOR REVERSE PERCENTAGES	LINEAR SEQUENCES QUADRATIC AND GEOMETRIC SEQUENCES EQAUTIONS OF STRAIGHT LINES, PARALLEL LINES	 LINEAR SEQUENCES QUADRATIC AND GEOMETRIC SEQUENCES EQAUTIONS OF STRAIGHT LINES, PARALLEL AND PERPENDICULAR LINES 	 EQUATIONS OF VERTICAL AND HORIZONTAL LINES EQUATIONS OF STRAIGHT LINE GRAPHS DRAWING AND INTERPRETING REAL LIFE GRAPHS 	 EQUATIONS OF PARALLEL AND PERPENDICULAR LINES GRADIENT OF A CURVE AREA UNDER A CURVE
Unit 5	GEOMETRY & MEASURES 2 NAMES OF SHAPES, UNDERSTANDING OF ANGLE (KS2)	GEOMETRY & MEASURES 5 GEOMETRY & MEASURES 4 (Y7) IN CLASS TEACHER ASSESSMENT, SELF	ALGEBRA 6 ALGEBRA 4 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET,	PROBABILITY F3 PROBABILITY 2 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³	PROBABILITY H3 PROBABILITY 2 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³	NUMBER F12 IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , PROBLEM SOLVING ³	GEOMETRY & MEASURES H16 GEOMETRY & MEASURES 11 (Y9) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST



	IN CLASS TEACHER	ASSESSMENT SHEET,	END OF TERM	USE OF PROBABILITY IN	USE OF PROBABILITY IN		REASONING ² , PROBLEM
	ASSESSMENT, SELF	END OF TERM	SUMMATIVE TEST	STEM SUBJECTS	STEM SUBJECTS		SOLVING ³
	· ·		FLUENCY ¹ , PROBLEM				
	ASSESSMENT SHEET,	SUMMATIVE TEST	•				
	END OF TERM	FLUENCY ¹ ,	SOLVING ³				
	SUMMATIVE TEST	REASONING ²					
	FLUENCY ¹	USE OF ANGLES IN					
	USE OF ANGLES IN	STEM SUBJECTS					
	STEM SUBJECTS	DDAW ACCURATE	CIMADI IEVINIC EVIDECCIONIC	DDODADULTV FDOM	DDOD A DU ITY FDOM	CALCULATING	DVTI I A COD A C I A I
Unit 5	SHAPE PROPERTIES, ESPECIALLY	 DRAW ACCURATE TRIANGLES AND 	SIMPLIFYING EXPRESSIONSEXPANDING BRACKETS	PROBABILITY FROM SAMPLE SPACE	PROBABILITY FROM SAMPLE SPACE	CALCULATING WITH TIME	PYTHAGORAS IN 3D
end	QUADRILATERALS	CONSTRUCTIONS	SUBSTITUTE INTO A	DIAGRAMS, TWO-	DIAGRAMS, TWO-	• FUNCTIONAL	LENGTHS IN 3D
points	TYPES OF ANGLECALCULATING MISSING	 SOLVE ANGLE PROBLEMS IN 	FORMULA • SOLVE LINEAR	WAY TABLES, VENN DIAGRAMS	WAY TABLES, VENN DIAGRAMS	PROBLEMS WITH MONEY	COORDINATES • ANGLES IN 3D
	ANGLES	TRIANGLES AND	EQUATIONS, UNKNOWN	PROBABILITY TREE	PROBABILITY TREE	BEST BUY	PROBLEMS
		QUADRILATERALS	ON BOTH SIDES	DIAGRAMS	DIAGRAMS	CURRENCY	SINE RULE
		 ANGLES WITH PARALLEL LINES 	 SET UP AND SOLVE EQUATIONS 	EXPECTATION AND RELATIVE	EXPECTATION AND RELATIVE	CONVERSIONS	COSINE RULEAREA OF NON-
			CHANGE THE SUBJECT OF	FREQUENCY	FREQUENCY		RIGHT
	AU 18 48 58 4	05014570140	A FORMULA	ALGEBRA F9	ALGEBRA H9	COVID-19 RESEQUENCING	TRIANGLES ALGEBRA H13
	NUMBER 4	GEOMETRY &	RATIO & PROPORTION	ALGEBRA 6 (Y9)	ALGEBRA 6 (Y9)	COVID-13 RESEQUENCING	ALGEBRA 10 (Y10)
	MULTIPLICATION	MEASURES 6	4	IN CLASS TEACHER	IN CLASS TEACHER	GEOMETRY & MEASURES	IN CLASS TEACHER
Unit 6	TABLES (KS2), NUMBER	GEOMETRY &	ALGEBRA 4, RATIO &	ASSESSMENT, SELF ASSESSMENT SHEET, END	ASSESSMENT, SELF ASSESSMENT SHEET, END	GEOMETRY & MEASURES	ASSESSMENT, SELF ASSESSMENT SHEET, END
	3 (Y7)	MEASURES 1 (Y7)	PROPORTION 2 (Y8)	OF TERM SUMMATIVE TEST	OF TERM SUMMATIVE TEST	5 (Y8)	OF TERM SUMMATIVE
	IN CLASS TEACHER	IN CLASS TEACHER	IN CLASS TEACHER	FLUENCY ¹ , REASONING ² GRAPHS IN SCIENCE	FLUENCY ¹ , REASONING ² GRAPHS IN SCIENCE	IN CLASS TEACHER ASSESSMENT, SELF	TEST FLUENCY ¹ , REASONING ²
	ASSESSMENT, SELF	ASSESSMENT, SELF	ASSESSMENT, SELF	GNALTIS IN SCIENCE	GRAFTIS IN SCIENCE	ASSESSMENT SHEET, END	TEOLINGT , REASONING
	ASSESSMENT SHEET,	ASSESSMENT SHEET,	ASSESSMENT SHEET,			OF TERM SUMMATIVE TEST	
	END OF TERM	END OF TERM	END OF TERM			FLUENCY ¹ , PROBLEM	
	SUMMATIVE TEST	SUMMATIVE TEST	SUMMATIVE TEST			SOLVING ³	
	FLUENCY ¹	FLUENCY ¹ , PROBLEM	FLUENCY ¹ , PROBLEM			ACCURATE DRAWING IN DESING TECH	
	USE OF FRACTIONS IN	SOLVING ³	SOLVING ³				
	STEM SUBJECTS	USE OF AREA IN STEM					
		SUBJECTS					
Unit 6	SIMPLIFY FRACTIONS FIND EPACTIONS OF	 AREAS OF SIMPLE SHAPES 	 SIMPLIFY ALGEBRAIC FRACTIONS 	SUBSTITUTION FACTORISING TO	FACTORISING TO SOLVE QUADRATICS	SCALE DRAWINGS	SOLVING SIMULTANEOUS
end	FIND FRACTIONS OF AMOUNTS	SURFACE AREA OF	MULTIPLY, ADD,	FACTORISING TO SOLVE QUADRATICS	• COMPLETING THE	STANDARD	EQUATIONS
points	CONVERT FRACTIONS,	CUBES AND CUBOIDS	SUBTRACT ALGEBRAIC	• QUADRATIC	SQUARE	CONSTRUCTIONS	WITH ONE
	DECIMALS, PERCENTAGESADD, SUBTRACT,	 AREA AND CIRCUMFERENCE OF 	FRACTIONS • CONVERT RATIOS,	GRAPHS	QUADRATIC FORMULA	OF BISECTORS AND	QUADRATIC • SOLVE
	MULTIPLY, DIVIDE	CIRCLES	FRACTIONS, EQUATIONS		QUADRATIC	PERPENDICULARS	SIMULTANEOUS
	FRACTIONS		 SOLVE PROBLEMS BY SHARING IN COMBINED 		GRAPHS		EQUATIONS GRAPHICALLY
			RATIOS		FURTHER GRAPHS		GIALITICALLI



	PROBABILITY 1	RATIO & PROPORTION	GEOMETRY &	ALGEBRA F10	ALGEBRA H10	COVID-19 RESEQUENCING
	UNDERSTANDING OF	2	MEASURES 9	ALGEBRA 6 (Y9) IN CLASS TEACHER	ALGEBRA 6 (Y9) IN CLASS TEACHER	GEOMETRY & MEASURES
Unit 7	CHANCE (KS2),	NUMBER 5 (Y7)	GEOMETRY &	ASSESSMENT, SELF	ASSESSMENT, SELF	<mark>12</mark>
	NUMBER 4 (Y7)	IN CLASS TEACHER	MEASURES 6 (Y8)	ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST	ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST	GEOMETRY & MEASURES 5 (Y8)
	IN CLASS TEACHER	ASSESSMENT, SELF	IN CLASS TEACHER	FLUENCY ¹ , REASONING ² ,	FLUENCY ¹ , REASONING ² ,	IN CLASS TEACHER
	ASSESSMENT, SELF	ASSESSMENT SHEET,	ASSESSMENT, SELF	PROBLEM SOLVING ³	PROBLEM SOLVING ³	ASSESSMENT, SELF ASSESSMENT SHEET, END
	ASSESSMENT SHEET,	END OF TERM	ASSESSMENT SHEET,			OF TERM SUMMATIVE
	END OF TERM	SUMMATIVE TEST	END OF TERM			TEST FLUENCY ¹ , PROBLEM
	SUMMATIVE TEST	FLUENCY ¹ , PROBLEM	SUMMATIVE TEST			SOLVING ³
	FLUENCY ¹	SOLVING ³	FLUENCY ¹ ,			ACCURATE DRAWING IN DESING TECH
	PROBABILITY IN	RECIPES IN FOOD	REASONING ² , PROBLEM			DESING TECH
	SCIENCES	TECH	SOLVING ³			
			AREA IN SCIENCE AND			
			DESIGN TECH			
Unit 7	VOCABULARY OF	RECIPE PROBLEMS	AREAS OF SIMPLE SHAPES AND AREAS OF SIMPLE SHAPES AND AREAS OF SIMPLE SHAPES AND AREAS OF SIMPLE SHAPES	SOLVING SIMULTANEOUS	SOLVING SUMMERANT OF THE SUMMER OF THE SUMER OF THE SUMMER OF THE SUMER OF THE SUMMER OF THE SUMMER OF THE SUMER OF THE SUMMER OF THE SUMER OF THE SUMER OF THE SUMER OF THE SUMMER OF THE SUMER OF	SCALE BRANCINGS
end	PROBABILITY • PROBABILITY SCALE	SIMPLIFY A RATIOCONVERT RATIOS TO	IN WORDED PROBLEMS • CIRCUMFERENCE AND	SIMULTANEOUS EQUATIONS	SIMULTANEOUS EQUATIONS	DRAWINGS • STANDARD
points	PROBABILITY AS A	FRACTION	AREA OF CIRCLES	SOLVING WORDED	SOLVING WORDED	CONSTRUCTIONS
	FRACTION • EXPERIMENTAL AND	DIVIDE QUANTITIES IN A RATIO	AREAS AND PERIMETER OF SECTORS	PROBLEMS	PROBLEMS	OF BISECTORS AND
	THEORETICAL	PERCENTAGES OF				PERPENDICULARS
	PROBABILITY	AMOUNT • INCREASE, DECREASE BY				
		PERCENTAGE				
	AL CERRA 4	REVERSE PERCENTAGES	ALCEDDA 7	GEOMETRY & MEASURES	GEOMETRY & MEASURES	COVID-19 RESEQUENCING
	ALGEBRA 1	RATIO & PROPORTION	ALGEBRA 7	F14	H14	
	MULTIPLCATION	3	NUMBER 1 (Y7)	GEOMETRY & MEASURES 3	GEOMETRY & MEASURES 3	ALGEBRA H11 ALGEBRA 6 (Y9)
Unit 8	TABLES (KS2), NUMBER		ALGEBRA 5 (Y8)	(Y7) IN CLASS TEACHER	(Y7) IN CLASS TEACHER	ALGEBRA H8 (Y10)
	4 (Y7)	PROPORTION 1 (Y7)	ALGEBRA 6 (Y9)	ASSESSMENT, SELF	ASSESSMENT, SELF	IN CLASS TEACHER
	IN CLASS TEACHER	IN CLASS TEACHER	IN CLASS TEACHER	ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST	ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST	ASSESSMENT, SELF ASSESSMENT SHEET, END
	ASSESSMENT, SELF	ASSESSMENT, SELF	ASSESSMENT, SELF	FLUENCY ¹ , REASONING ²	FLUENCY ¹ , REASONING ²	OF TERM SUMMATIVE
	ASSESSMENT SHEET,	ASSESSMENT SHEET,	ASSESSMENT SHEET,	ANIMATION IN COMPUTER SCIENCE. GEOMETRIC	ANIMATION IN COMPUTER SCIENCE. GEOMETRIC	TEST FLUENCY¹, REASONING²
	END OF TERM	END OF TERM	END OF TERM	DESIGN IN ART	DESIGN IN ART	
	SUMMATIVE TEST	SUMMATIVE TEST	SUMMATIVE TEST			
	FLUENCY ¹	FLUENCY ¹ , PROBLEM	FLUENCY ¹ ,			
	FORMULAE IN	SOLVING ³	REASONING ² , PROBLEM			
	SCIENCES, COMPUTING	USE OF SPEED IN	SOLVING ³			
		SCIENCE				



Unit 8 end points Unit 9	 ALGEBRAIIC SUBSTITUTION SIMPLIFY ALGEBRAIIC EXPRESSIONS EXPAND A SINGLE BRACKET USE WORD FORMULAE STATISTICS 1 CHARTS AND GRAPHS (KS2), NUMBER 1, NUMBER 2 (Y7) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, 	CALCULATE WITH TIME CALCULATE SPEED, DISTANCE AND TIME DISTANCE TIME GRAPHS GEOMETRY & MEASURES 7 GEOMETRY & MEASURES 1 (Y7) GEOMETRY & MEASURES 6 (Y8) IN CLASS TEACHER	SHOWING AND LISTING INEQUALITIES SOLVING INEQUATIONS GRAPHICAL INEQUALITIES GEOMETRY & MEASURES 10 GEOMETRY & MEASURES 7 (Y8) GEOMETRY & MEASURES 9 (Y9) IN CLASS TEACHER	REVISION UNIT RATIO & PROPORTION 4, ALGEBRA 6, GEOMETRY & MEASURES 11 (Y9) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ² , PROBLEM SOLVING ³	TRANSFORMATIONS SIMILAR SHAPES, AREA AND VOLUME COLUMN VECTORS CONGRUENT TRIANGLES FURTHER VECTORS NUMBER H11 NUMBER 3 (Y7) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY¹, REASONING²	ALGEBRAIC PROOF FUNCTION NOTATION COMPOSITE AND INVERSE FUNCTIONS NUMBER H12 NUMBER 6 (Y8) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY¹, REASONING²
	ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ AVEARAGES, CHARTS AND GRAPHS IN SCIENCES, GEOGRAPHY	ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , PROBLEM SOLVING ³ USE OF VOLUME IN STEM SUBJECTS	ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ² , PROBLEM SOLVING ³ USE OF VOLUME IN STEM SUBJECTS	PROBLEM SOLVING ³		
Unit 9 end points	 FINDING AVERAGES MEAN FROM A FREQUENCY TABLE BAR CHARTS FREQUENCY POLYGONS PIE CHARTS 	 DESCRIBE 3D SHAPES VOLUMES OF PRISMS 	 VOLUME OF PRISMS SURFACE AREAS VOLUME OF PYRAMIDS, CONES AND SPHERES 	 FRACTIONS, DECIMALS, PERCENTAGES PYTHAGORAS FORMULAE 	SIMPLIFYING SURDS MULTIPLYING DIVIDING SURDS RATIONALISING A DENOMINATOR	USE ITERATION TO APPROXIAMTE SOLUTIONS TO EQUATIONS
Unit 10	NUMBER 5 MULTIPLICATION TABLES, PERCENTAGE (KS2), NUMBER 4 (Y7) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST	STATISTICS 2 STATISTICS 1 (Y7) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ²	STATISTICS 3 STATISTICS 2, PROBABILITY 2 (Y8) FOUR BOX GRIDS 1 (Y9) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST	STATISTICS F4 STATISTICS 3 (Y9) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST REASONING ² , PROBLEM SOLVING ³ USE OF AVERAGES IN SCIENCES AND GEOGRAPHY	ALGEBRA H11 ALGEBRA 6 (Y9) ALGEBRA H8 (Y10) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ²	ALGEBRA H14 ALGEBRA 5 (Y8) GEOMETRY & MEAUSRES 14 (Y10) IN CLASS TEACHER ASSESSMENT, SELF ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST FLUENCY ¹ , REASONING ²



	FLUENCY ¹ , PROBLEM	USE OF AVERAGES	FLUENCY ¹ , PROBLEM	SESSIVIEIVI OBSECTIVE V	VIDEN CONNICOZOW ZIWI	
	SOLVING ²	AND GRAPHS IN STEM				
	PERCENTAGES IN	SUBJECTS AND	SAMPLING IN BIOLOGY,			
		GEOGRAPHY	CHARTS IN GEOGRAPHY			
Linit 10	 SCIENCES, GEOGRAPHY CONVERT FRACTIONS, 	COMPARING	SAMPLING	AVERAGES FROM	ALGEBRAIC PROOF	DIFFERENT TYPES
Unit 10	DECIMALS, PERCENTAGES	DISTRIBUTIONS USING	CAPTURE-RECAPURE	UNGROUPED AND	• FUNCTION	OF CURVE
end	PERCENTAGES OF AN	AVERAGES	METHODS	GROUPED	NOTATION	REFLECTING
points	AMOUNTINCREASE, DECREASE BY A	 GROUPED FREQUENCY TABLES 	PIE CHARTSFREQUENCY TREES	FREQUENCY TABLES • COMPARE	COMPOSITE AND INVERSE	GRAPHS • TRANSLATING
	PERCENTAGE	STEM AND LEAF		DISTRIBUTIONS	FUNCTIONS	GRAPHS
	WORD PROBLEMS USING FRACTIONS DECIMALS	DIAGRAMS • PIE CHARTS		USING AVERAGES AND DIAGRAMS		
	FRACTIONS, DECIMALS, PERCENTAGES	SCATTER DIAGRAMS		AND DIAGNAMS		
		AND CORRELATION				
	ALGEBRA 2	GEOMETRY &	GEOMETRY &	GEOMETRY & MEASURES F14	STATISTICS H4 STATISTICS 3 (Y9)	
	FUNCTION MACHINES,	MEASURES 8	MEASURES 11	GEOMETRY & MEASURES	IN CLASS TEACHER	
Unit 11	COORDINATES (KS2),	NUMBER 3 (Y7)	GEOMETRY &	10 (Y9) IN CLASS TEACHER	ASSESSMENT, SELF ASSESSMENT SHEET, END	
	NUMBER 2 (Y7)	GEOMETRY &	MEASURES 8 (Y8)	ASSESSMENT, SELF	OF TERM SUMMATIVE TEST	
	IN CLASS TEACHER	MEASURES 5 (Y8)	IN CLASS TEACHER	ASSESSMENT SHEET, END	REASONING ² , PROBLEM	
	ASSESSMENT, SELF	IN CLASS TEACHER	ASSESSMENT, SELF	OF TERM SUMMATIVE TEST REASONING ² , PROBLEM	SOLVING ³ USE OF AVERAGES IN	
	ASSESSMENT SHEET,	ASSESSMENT, SELF	ASSESSMENT SHEET,	SOLVING ³	SCIENCES AND GEOGRAPHY	
	END OF TERM	ASSESSMENT SHEET,	END OF TERM	TECHNICAL DRAWING IN DESIGN TECH		
	SUMMATIVE TEST	END OF TERM	SUMMATIVE TEST	2 - 0 : 0 : 1 - 0 : 1		
	FLUENCY ¹	SUMMATIVE TEST	FLUENCY ¹ , PROBLEM			
	COORDINATES IN	FLUENCY ¹	SOLVING ³			
	GEOGRAPHY					
Unit 11	FUNCTION MACHINES	USE PYTHAGORAS	PYTHAGORAS THEOREM	DESCRIBE 3D	AVERAGES FROM	
end	COORDINATESEQUATION OF A	THEOREM TO FIND MISSING SIDES	USING TRIGONOMETRY TO FIND SIDES AND	SHAPES • FIND SURFACE AREA	UNGROUPED AND GROUPED	
points	STRAIGHT LINE	FIND THE LENGTH OF	ANGLES	PLANS AND	FREQUENCY TABLES	
•		LINE SEGMENTS		ELEVATIONS	COMBINED MEANS COMBANE	
				 PLANES OF SYMMETRY 	COMPARE DISTRIBUTIONS	
					USING AVERAGES	
					AND DIAGRAMS • DRAWING AND	
					USING	
				OT / TIOTION ==	HISTOGRAMS	
	GEOMETRY &	ALGEBRA 5	GEOMETRY &	STATISTICS F5 STATISTICS 3 (Y9)	GEOMETRY & MEASURES H14	
	MEASURES 3	ALGEBRA 2 (Y7)	MEASURES 12	IN CLASS TEACHER	GEOMETRY & MEASURES	
Unit 12	TRANSFORMATIONS	IN CLASS TEACHER	GEOMETRY &	ASSESSMENT, SELF ASSESSMENT SHEET, END	10 (Y9) IN CLASS TEACHER	
	(KS2), NUMBER 3 (Y7)	ASSESSMENT, SELF	MEASURES 5 (Y8)	OF TERM SUMMATIVE TEST	ASSESSMENT, SELF	



	IN CLASS TEACHER	ASSESSMENT SHEET,	IN CLASS TEACHER	REASONING ² , PROBLEM	ASSESSMENT SHEET, END	
	ASSESSMENT, SELF	END OF TERM	ASSESSMENT, SELF	SOLVING ³ USE OF GRAPHS IN	OF TERM SUMMATIVE TEST REASONING ² , PROBLEM	
	ASSESSMENT SHEET,	SUMMATIVE TEST	ASSESSMENT SHEET,	SCIENCES AND GEOGRAPHY	SOLVING ³	
	END OF TERM	FLUENCY ¹	END OF TERM		TECHNICAL DRAWING IN DESIGN TECH	
	SUMMATIVE TEST	COORDINATES AND	SUMMATIVE TEST		DESIGN FECT	
	FLUENCY ¹	GRADIENT IN	FLUENCY ¹ , PROBLEM			
	GEOMERTIC DESIGNS	GEOGRAPHY	SOLVING ³			
	IN ART, DESIGN		ACCURATE DRAWING			
			IN DESING TECH			
Unit 12	CONGRUENT AND	USE COORDINATES	SCALE DRAWINGS	DRAW SCATTER	DESCRIBE 3D	
end	SIMILAR SHAPES • REFLECTIONS	 MIDPOINTS OF LINE SEGMENTS 	 STANDARD CONSTRUCTIONS OF 	GRAPHS • CORRELATION	SHAPES • FIND SURFACE AREA	
points	• ROTATIONS	EQUATION OF A	BISECTORS AND	ESTIMATING USING	PLANS AND	
	TRANSLATIONS FAULABGEMENTS	STRAIGHT LINE • GRADIENTS	PERPENDICULARS	A LINE OF BEST FIT OUTLIERS	ELEVATIONS PLANES OF	
	 ENLARGEMENTS 	QUADRATIC GRAPHS		OUTLIERS	SYMMETRY	
	ALGEBRA 3				STATISTICS H5	
	NUMBER SEQUENCES				STATISTICS 3 (Y9) IN CLASS TEACHER	
Unit 13	(KS2), NUMBER 3 ,				ASSESSMENT, SELF	
	ALGEBRA 2 (Y7)				ASSESSMENT SHEET, END OF TERM SUMMATIVE TEST	
	IN CLASS TEACHER				REASONING ² , PROBLEM	
	ASSESSMENT, SELF				SOLVING ³ USE OF GRAPHS IN	
	ASSESSMENT SHEET,				SCIENCES AND GEOGRAPHY	
	END OF TERM					
	SUMMATIVE TEST					
	FLUENCY ¹ ,					
	REASONING ²					
	GEOMERTIC DESIGNS					
	IN ART, DESIGN					
Unit 13	GENERATING SEQUENCESNTH TERM				DRAW SCATTER GRAPHS	
end	FIBONNACCI SEQUENCES				CORRELATION	
points					ESTIMATING USING	
					A LINE OF BEST FIT OUTLIERS	
	RATIO & PROPORTION					
	1					
Unit 14						



		K3 3 NATIONAL CORN	RICULUM DESCRIPTOR/RS4 AS	SESSIVILIAI OBJECTIVE V	VIDEN CONNICOLOIVI LIIV	NJ	
	READING TIME (KS2),						
	GEOMETRY &						
	MEASURES 1 (Y7)						
	IN CLASS TEACHER						
	ASSESSMENT, SELF						
	ASSESSMENT SHEET,						
	END OF TERM						
	SUMMATIVE TEST						
	FLUENCY ¹ , PROBLEM						
	SOLVING ³						
	GEOMERTIC DESIGNS						
	IN ART, DESIGN						
Unit 14	METRIC UNITSTIME CALCULATIONS						
end	PROBLEMS INVOLVING						
points	MEASUREMENTS AND						
	GEMETRY & MEASURES						
	4						
Unit 15	GEOMETRY &						
Oilit 13	MEASURES 1 (Y7)						
	IN CLASS TEACHER						
	ASSESSMENT, SELF						
	ASSESSMENT SHEET,						
	END OF TERM						
	SUMMATIVE TEST						
	FLUENCY ¹						
	GEOMERTIC DESIGNS						
	IN ART, DESIGN						
Unit 15	CONSTRUCTING						
end	ACCURATE TRIANGLES • CONSTRUCTING						
points	BISECTORS AND						
	PERPENDICULARS						