Maths has 7 Attainment Objectives Martis has 7 Attainment Obje
A Algebra
GM Geometry and Measure
N Number
P Probability
R Ratio
S Stationics S Statistics UA Using and Applying

This list indicates the topics studied for each level

40
AO
A A
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A
À
A N

Level 7 All level 5-6 objectives and : AO Equations (quadratic) Equations and Fractions (manipulate) Equations and fractions (solving) Sine and Cosine Rule Trigonometry - Area of Triangle 3D Pythagoras and Trig Arc length area of sector Area and volume of pyramid A A A A A G G G G G G G G N N N P P R S S S S S S Area and volume of sphere Area and volume problems Congruence proof Vectors journeys Vectors proof Recurring decimals Surds Surds and geometrical problems Probability conditional Probability successive events Ratio and proportion Averages and spread Comparing data sets Histograms draw and interpret Histograms frequency density Stratified sample

level 5-6 Ill level 3-4 objectives and : Noebraic Inequalities Change the subject Lubic Graphs Cauation of a line Expand Quadratics Acadratic expressions Fraphical inequalities Real life graphs Reciprocal Graphs Simplify Fimilianeous equations Polying quadratic equations by factorisation Decoordinates Fircle Theorems Combining Transformations Coordinates and midpoints of lines Pensity Prawing enlargements Fimiliar shapes The effect of enlargements Finden Motation Reverse percentages Reverse percenta

Lime Series	S
level 4-5	
All level 1-3 objectives and :	AO
Alternate and corresponding Angles	GM
Angles in polygons Average Speed	GM N
Combined transformations	GM
Constructing enlargements	ĞM
Constructions	GM
Converting metric units	GM
Correlation	Ş
Draw and interpret graphs	A A
Formulae written in words Four Rules Decimals	Ň
Four Rules Decimals Four Rules of Fractions	N N
Fractions to Decimals	Ñ
Frequency polygons	S
HCF-LCM-Reciprocals	N
Identifying enlargements	GM
Inequalities number lines Loci	A GM
Mean from a frequency table	
Mean from grouped data	S S N
Percentage Change	Ň
Percentages and proportion	R
Powers	A
Product of Prime Factors	N
Pythagoras Theorem Quadratic graphs	GM A
Relative frequency	
Sample size	P S S A
Scatter diagrams	Š
Solve Inequalities	Α
Substitution pos and neg	A
Surface area of prisms and cylinders	GM
Terminating and Recurring Decimals Theoretical probability	N P
Two way tables	P
Upper and Lower Bounds	Ņ
Use trial and improvement	A
Volume and Surface Area of Prisms	GM

level 1-3

Scale drawing and areas Surface area of prisms & cylinders Translations continued

	ĄU	Continuation	
Basic inverse functions		Add and subtract decimals	N
Changing the subject		Add and Subtract Fractions	N
Collecting like terms		Add and subtract whole numbers	N
Conversion graphs		BIDMAS	N
Coordinates	Α	Calculations with time	N N
Distance time graphs	Α	Comparing quantities using fractions and percentages	N
Equations one stage	Α	Converting FDP	N
Expand brackets and simplify Factorising simple expressions Forming Equations Formulae Plotting linear graphs	Α	Cube numbers	N N
Factorising simple expressions	Α	Decimal Calculations	N
Forming Equations	Α	Equivalent Fractions	N
Formulae	Α	Estimation	N N
Plotting linear graphs	Α	Four rule problems	N
Sequences	Α	Four rules with negative numbers	N
Sequences and Rules		Fraction - decimal equivalents	N
Simple sequences		Fraction diagrams	Ň
Solving Equations	A	Fraction of a number	Ň
Solving Equations Two step equations	A	Fraction of a number Mixed Numbers and Improper fractions	Ñ
Words to formulas and expressions	Ä	Multiply and divide by integers	Ň
3D drawing	ĠM	Multiply and divide by powers of ten	Ñ
3D drawing 3D shapes	ĞM	Multiply and divide numbers less than 1000	Ň
Alternate & corresponding angles	GM	Order decimals	Ň
Angle rules	GM	Order decirials Order directed numbers	Ñ
Area and circumference of a circle	GM	Order directed numbers Ordering fractions	Ñ
Area and perimeter of compound shapes	GM	Percentage of a number	Ň
Area and perimeter of compound shapes Area of a Rectangle	GM	Percentage of a number Percentage of a quantity	Ň
Area of a Rectangle Area of a triangle, parallelogram and trapezium	GM	Pounding	Ň
Area of a triangle, parallelogram and trapezium	GM	Rounding Rounding to significant figures Simple Index notation	N
Area of irregular shapes Bearings	GM	Simple Index notation	N
Colculate angles triangles and guada	CM	Sample index notation	N
Calculate angles triangles and quads Circle Knowledge	CM	Squares and square roots Types of numbers	IN N
Circles knowledge	CM	Using a calculator	IN N
Cainterier angles on nevellel lines	GIVI	Designate hability	IN.
Cointerior angles on parallel lines Congruency	GIVI	Basic probability Comparing distributions List all outcomes for two events Mutually exclusive Events	2
Congruency	GIVI	List all systematic for two systems	5
Congruent shapes	GIVI	List all outcomes for two events	
Enlargements on a grid Equation of reflection lines Estimating measurements	GIVI	Mutually exclusive Events	2
Equation of reflection lines	GIVI	Mutually exclusive sum Probability of equally likely outcomes	2
estimating measurements	GIVI	Probability of equally likely outcomes	
Grid references	GIVI	Ratios and recipes	K
Identifying types of angles	GIVI	Ratios and recipes Ratio-sharing Ratio-simplifying	K
Maps and scale drawings	GM	Ratio-simplifying	ĸ
Measuring and drawing angles	GM	Averages small data sets	S
Metric unit conversion	GM	Products shall data sets Bar charts Frequency tables Interpeting real life graphs Modal class	S
Nets	GM	Frequency tables	S
Nets of 3D shapes	GM	Interpeting real life graphs	S
Perimeter	GM	Modal class	S
Plans and elevations	GM	Pictograms Pie charts	S
Quadrilaterals	GM	Pie charts	S
Reading scales	GM	Stem and leaf	Ş
Recognise rotations, reflections and translations	GM	Surveys Timetables	Ş
Recognise triangles and polgons	GM	Imetables	ZZ L L L L L L R R R R R R R R R R R R R
Reflection symmetry	GM	Using two way tables Volume of cuboids	S
Reflections		Volume of cuboids	S
Rotational symmetry	GM		
Rotations	GM		
Scale drawing and areas	GM		
Surface area of prisms & cylinders	GM		
Translations	ĞM		