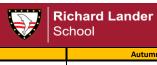
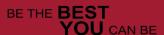
	ichard Land chool	er					Maths	Curriculu	m Overview	- 7/8/9				BE TH	E BEST YOU CA	AN BE			
	Au	ıtumn	1		Autumn 2 Spring 1 Spring 2 Summer 1									Summer 2					
Reporting Y7			CfC	is		BfL & LAL				BfL & LAL					BfL & LAL				
Year 7	2: Number skills: Mental Maths, addition and subtraction, Multiplication, division, Money, time, Negative numbers, Factors, multiples and primes, Square numbers.	Baseline Assessment	displayi Average data, Gi compar	rsing and ng data: es, displaying rouping data, ing data, line and bar charts	3: Expressions, fu and formulae: Fu Simplifying expre Writing expres substitution into fi writing formu	nctions, essions, sions, ormulae,	4: Decimals and measures: Decimals and rounding, length, mass and capacity, scales and measures, working with decimals, Perimeter, Area, more units of measure.	5: Fractions and percentages: Comparing fractions, Simplifying fractions, working with fractions, Fractions and decimals, understanding percentages, percentages of amounts.	6: Probability: language of probability, Calculating probability, More probability calculations, Experimental probability, Expected outcomes.	7: Ratio and Proportion: Direct proportion, Writing ratios, Using ratios, Ratios, proportion and fractions, Proportions and percentages.	8: Lines and angles: Measuring and drawing , angles, Lines, angles and triangles, Drawing triangles accurately, Calculating angles, Angles in a triangle, Quadrilaterals.	ces, Pattern	KS3 EOY Exams Revision	Complete Unit 9	10: Transformations: Congruency and enlargements, Symmetry, Reflection, Rotation, Transformations and combined transformations.	Curriculum Enrichment Week			
Reporting Y8			CfC	is .		BfL & LAL				BfL & LAL		Iminnoi I	1	•	BfL & LAL	U			
Year 8	Number: Calculations, Divisibility and division, Calculating with negative numbers, powers, roots and brackets, Multiples and factors.		isibility and division, culating with negative mbers, powers, roots d brackets, Multiples Areas of triangles, parallelograms and trapezia, Volumes of cubes and cuboids, 2D		3: Statistics, graphs and charts: Pie charts, using tables, Stem & leaf diagrams, Comparing data, Scatter graphs, Misleading graphs.	equation powers, brackets expressi equation	uations: Algebraic wers, Expressions and ackets, Factorising pressions, One step uations, Two-step uetions, The balancing Distance-time graphs, Line graphs, More line graphs, Real- life graphs, Curved graphs. Calc deci		ordering decimals rounding, Place-va calculations, Calculations with	Calculations with decimals, Ratio and proportion with parallel lines, Exterior and interior angles, Solving		9: Straight- line graphs: Direct proportion on graphs, gradients, Equations of straight lines.9: Straight-line graphs: Direct proportion	KS3 EOY Exams Revision	KS3 EOY Exams	10: Percentages, decimals and fractions: Fractions and decimals, Equivalent proportions, Writing percentages, Percentage of amounts.	Curriculum Enrichment Week			

	1:Indices and standard	2: Expressions and	3: Dealing with	4: Multiplicative reasoning:	5: Constructions: Using scales,	6: Sequences,	7: Circles,	8: Graphs: Using	9: Probability:		10: Comparing	
	form: Indices,	formulae: Solving	data: Planning a	Enlargement, Negative and	Basic constructions,	Inequalities, equations	Pythagoras and	y=mx+c, More straight-	Multually exclusive		shapes:	
	Calculations and	Equations, Substituting	survey, Collecting	fractional scale factors,	Constructing triangles, Using	and proportion: nth	Prisms:	line graphs,	events,		Congruent and	
	estimates, More Indices,	into expressions, Writing	data, Calculating	Percentage change,	accurate scale diagrams.	term of arithmetic	Circumference of a	Simultaneous equations,	Experimental and	s	similar shapes,	¥
	standard form.	and using formulae,	averages,	Compound measures,		sequences, Non-linear	circle, Area of a	Graphs of quadratic	theoretical	E E	Ratios in triangles,	We
		Using and rearranging	Displaying and	Direct and Inverse		sequences, Inequalities,	circle, Pythagoras'	functions, More non-	probability, Sample	ă	The tangent ratio,	ŧ
		formulae, Index laws and	analysing data,	proportion.		Solving equations,	Theorem, Prisms	linear graphs	space diagrams,	∞ ⊆	The sine ratio,	a a
Year 9		brackets, Expanding Presenting and				Proportion.	and Cylinders, Errors		Two-way tables,	isi	The cosine ratio,	ich
		double brackets.	comparing data.				and bounds.		Venn diagrams.	Şe,	Using	툽
										<u> </u>	trigonometry to	E
										<u> </u>	find angles.	cn
										KS3		ir ir
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Maths Curriculum Overview - 10/11



	Au	tumn 1			Aut	umn 2			Spring	1		Sprin	ng 2	Summer 1			Summer 2	
Reporting Y10			CfCs			BfL & Grades				CfCs			fL & Grades			BfL & Report		
ear 10H red indicates irst time topic)	1: Number estimation product rule hcf / Icm (venn) standard form negative, fractional a indices including alge examples surds incl rationalisin denominator	ebraic	2: Algeb algebr' inc factorise qua solve basic equatior solve linea formulae linear nth t quad' nth te geo' sequer fibor	dices didratics (and quadratic as) ar equ's erm erm aces	(Including Li Averages an (individual, f table and gr time series time on Cun frequency, E	atistical ie charts, Scatter graphs ne of best fit), d range frequency ouped data), . Spend most nulative Sox plots, and comparing data.	manipulation (big focus on euqations/rat and harder ra Ratio and pro percenatges i compound in percenatges a percenatge of	rations, Ratio a and problems tio equivalence atio problems), portion, inclusing terest, reverse and calculating hange, FDP including proof decimals to	angles trian quadrilat's exterior a pytha sohcahtoa tri	interior ngles goras trig' el g bearings ngle triangle	gles angles bearings trig' ev' dep' 3D trig	midpoint of lin from 2 pts +1pt d velocity include finding a distance from a quadratic graphs (& 15.4) (link to 15.5)	parallel endicular lines lee equ' equ' from 'm' istance time ixtime Also eccleration and integraph (link to unit 15.3 cubic graphs reciprocal ponential graphs at Also, e TABLE function	7: Area & volume 2d perimeter 2d area bounds error intervals (link bounds to compound measures) convert metric area convert metric vol' circle circ'/area circle sectors SA/Vol: prism, cylinder, sphere, pyramid, cone, frustum	Pre Public Exams	8: Transformations & Constructions reflections rotations translations (link to vector notation and arithmetic) enlargements transf' combo Bearings, construction & Loci	10: Probability combined events mutually exclusive experimental tree diagrams conditional prob' venn : set notation venn probability	Week
Year 10F (red indicates first time topic)	1: Number decimals place value factors/multiples square/cube/root index notation prime factors	2: Alge algebraic n simplifying I simplifyin substitution formulae brackets	otation ike terms ng x&÷ n use expand factorise	bar c 1. basic 2.composite 3.comparative & leaf charts sc	ges and lency way tables harts:	find fracti fdp conversion % of simp	operations ion of on find ole interest	form unit ratios scale up ratio share(total giver share(given) share(diff' g fraction unitary method	ini e ini e ini to to dit value	ingles triangles quadrilat's erior cterior Iines	paral' S	5: Equations, Inequalities and sequences Sequences Solve 1-step eqns Solve 2-step equations Equations with brackets Inequalities on number line Solve inequalities Use formulae Rearrange Formulae Pictorial sequences Term-to-term nth term	8: Perimeter, a	rea 9: Graphs ords straight line (table of values) real-life graphs distance time graphs	Pre Public Exams	10: Transf mations 3d solids 4 transf's describing transf's transf combos	13: Probability calculating prob two way tables experimental venn : set notation venn probability tree diagrams	Work Experience



Maths Curriculum Overview - 10/11



So	chool							YOU CAN							
	Autumn	1		Autumn 2		Spring 1			Spring 2	Summer 1			Summer 2		
Reporting Y11		CfCs & Grades		Rep & G	rades		CfCs 8	& Grades		BfL & Grades					
Year 11H (red indicates first time topic)	9: Equations inequalities quadratic equ'ns: Ifactorisation, 2complete square, 3quad' formula sim equ's sim eqn's graphically (15.1) quad' sim' equ's solve inequalities inequalities on a number line inequalities graphically (15.2)	11&19A: Multiplicative reasoning & Proportion Growth and decay, Compound measures, Direct proportion Formulae for proportion problems with constant of proportionality	PRE PUBLIC EXAMS (PPE)	12: Similarity & congruence congruent triangles congruence proof similarity : 1.Linear ScFactor 2. Area ScFactor 3. Volume ScFactor	13A: More Trigonometry trig graphs (excl. transformations) sine rule cosine rule area with sine	16: Circle theorems radii/isos' c theorems applied proofs	frac's frac's unknow fai	e Algebra arranging formula +/- alg' x/÷ alg' n denominators simplify alg' frac's ctorise alg' frac's solve alg' frac rations ite and inverse is identities	EXAMS (PPE)	18: Vectors & geometric proof vector notation magnitude resultant vectors scalars parallel vectors collinear points ratio vectors geometric vectors	198&13B: More graphs Exponenti al graphs Transformi ng graphs (including trig)	Revision	GCSE EXAMS		
Year 11F (red indicates first time topic)	12: Right-angled triangles Pythag long side Pythag short side Basic Trig Trig angles Trig sides Prowith / loss Proefit / loss		PRE PUBLIC EXAMS (PPE)	15: Constructions loci and bearings 3d solids graphs plans/elevations constructing triangles scale drawings & maps construct angles construct shapes construct shapes construct nets		s and volume 2 circle circum	18: Fractions, Indices and Standard form plus review of indices and fractions	PRE PUBLIC EXAMS (PPE)	19:'Congruence similarity vectors enlargement similarity problems congruence problems add / subtract vectors resultant vectors scalars			GCSE EXAMS			