	YEAR 10 MATHEMATICS Real numbers				
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard	
1	Ex 3A P102 Understanding rational and irrational numbers				
2,3	Ex 3B P110 Surd Laws - Multiplication & division				
4	Ex 3C P 116 Simplifying surds				
5	Ex 3D P 122 - Addition & subtraction of surds				
6	Ex 3D P 122 - Expansion of brackets with surds				
7	Ex 3E P128 Writing Surd Fractions with a rational denominator				
8	Review of Indices				
9,10	Ex 3F P134 Negative & Fractional indices				
11	Ex 3G P140 Logarithms				
12	Ex 3H Logarithmic laws (addition/subtraction)				
13	Ex 3H Solving Indicial equations				
14	Revision - Chapter review P152				
15	Test				

YEAR 10 MATHEMATICS – Number & Algebra – Patterns & Algebra

	YEAR 10 MATHEMATICS Indices				
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard	
1	Review of indices P1				
2	Negative indices P7				
3	Fractional indices P12				
4	Combining index laws P17				
5	Chapter Review p 73 Test				

	YEAR 10 MATHEMATICS Linear algebra			
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard
1	Substitutions P29			
2	Adding & subtracting algebraic fractions P3			
3	Multiplying & dividing algebraic fractions P37			
4	Solving linear equations P40			
5	Solving equations with algebraic fractions and multiple brackets P45			
6	Chapter Review p 73 Test			

	YEAR 10 MATHEMATICS Coordinate geometry			
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard
1	Sketching linear graphs P57			
2	Sketching linear graphs continued			
3	Determining linear equations P64			
4	The distance between two points on a straight line P68			
5	The midpoint of a line segment P71			
6	Parallel and perpendicular lines P 74			
7	Chapter review Test			

	YEAR 10 MATHEMATICS Simultaneous linear equations and inequations			
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard
1	Graphical solutions of simultaneous linear equations P 91			

2	Solving simultaneous linear equations using substitution P96			
3	Solving simultaneous linear equations using elimination P99			
	1	/EAR 10 MATHEMATICS Trigon	ometry 1	

4	Problem solving using simultaneous linear equations P103		
5	Solving linear inequations P106		
6	Sketching linear inequations P110		
7	Solving simultaneous linear inequations P116		
8	Chapter review Test		

	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard
1	Pythagoras theorem P133			
2	Pythagoras theorem in 3D P140			
3	Trigonometric ratios P 145			
3	Using trigonometry to calculate side lengths P151			
4	Using trigonometry to calculate angle size P156			
5	Angles of elevation and depression P161			
6	Bearing & compass directions P165			
7	Applications P172			
8	Summary Revision p246 Chapter Review p248			
9	Test			

	YEAR 10 MATHEMATICS Surface area & volum					
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard		
1	Area P185					
2	Total surface area P193					
3	Volume P203					
4	Chapter review Test					

	YEAR 10 MATHEMATICS Quadratic expressions			
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard
1	Expanding algebraic expressions P221			
2	Factorising expressions with three unknowns P227			
3	Factorising expressions with two or four terms P231			
4	Factorising by completing the square P236			
5	Mixed factorisation P 240			
6	Chapter review			
7	Test			

	YEAR 10 MATHEMATICS Quadratic equations			
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard
1	Solving quadratic equations P 249			
2	The quadratic formula P255			
3	Solving quadratic equations by inspecting graphs P258			
4	Finding solutions to quadratic equations (interpolation and the discriminant) P263			
5	Solving a quadratic equation and a linear equation simultaneously P269			
6	Chapter review			
7	Test			

	YEAR 10 MATHEMATICS Functions				
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard	
1	Plotting parabolas P281				
2	Sketching parabolas using the basic graph of y=x^2 P287				
3	Sketching parabolas in Turning point form P292				
4	Sketching parabolas of the form y=ax^2+bx+c P298				
5	Exponential functions and their graphs P306				
6	The Hyperbola P312				
7	The circle P315				
8	Chapter review				
9	Test				

	YEAR 10 MATHEMATICS Deductive geometry					
	Lesson Aim Progressing toward the Standard Working at the Standard Working above the Standard					
1	Congruence review 327					
2	Similarity review P 332					
3	Congruence & proof P336					
4	Quadrilaterals: Definitions & properties P 340					
5	Quadrilaterals & proof P344					
6	Chapter review Test					

YEAR 10 MATHEMATICS Probability					
Progressing toward the Standard Working at the Standard Working above					

	YEAR 10 MATHEMATICS Univariate data				
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard	
1	Mesures of Central tendency P431				
2	Measures of spread P439				
3	Box & whisker plots P444				
4	The standard deviation P 449				
5	Comparing data sets P454				
6	Skewness P 459				
7	Chapter review				
8	Test				

	YEAR 10 MATHEMATICS Bivariate data				
Lesson Aim Progressing toward the Standard Working at the Standard Working at the Standard Working above the Standard					
1	Identifying related pairs of variables P474				
2	Graphing bivariate data P477				
3	Scatterplots P483				
4	Identifying related pairs of variables P474				
5	Chapter Review Test				

	YEAR 10 MATHEMATICS Financial mathematics					
	Lesson Aim Progressing toward the Standard Working at the Standard Working above the Standard					
1	1 Purchasing goods P539					

2	Buying on terms P542		
3	Successive discounts P546		
4	Cpompound interest P549		
5	Depreciation P553		
6	Loan repayments P556		
7	Chapter review test		

	YEAR 10 MATHEMATICS Polynomials				
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard	
1	Polynomial P637				
2	Adding, subtracting and multiplying polynomials P639				
3	Long division of polynomials P641				
4	Polynomial values P647				

5	he remainder & factor theorems 649	
6	actorising polynomials P651	
7	olving polynomial equations P655	
8	hapter review P861	
9	est	

	YEAR 10 MATHEMATICS Functions & relations				
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard	
1	Functions & relations P 665				
2	Exponential functions P671				
3	Cubic functions P679				
4	Quartic Functions P683				
5	Transformations P686				
6	Chapter review P696				
7	Test				

	YEAR 10 MATHEMATICS Circle geometry						
	Lesson Aim Progressing toward the Standard Working at the Standard Working above the Standard						
1	Angles in a circle P701						
2	Intersecting chords, secants and tangents P708						
3	Cyclic Quadrilaterals P715						
4	Tangents, secants & chords P718						
5	Chapter review Test						

YEAR 10 MATHEMATICS Trigonometry 2				
	Lesson Aim	Progressing toward the Standard	Working at the Standard	Working above the Standard
1	The sine rule P733			
2	The cosine rule nP741			
3	Area of triangles P745			
4	The unit circle P749			
5	Trigonometric functions P755			
6	Solving trigonometric equations P759			
7	Chapter review P764			
8	Test			