Higher Paper 4						
	Covered before	Covered in year 11	R	А	G	
Bidmas						
Area of a triangle and trapezium						
Solving simultaneous equations						
Pie charts (drawing and interpreting)						
Best value for money						
Angles in polygons						
Negative indices						
Percentage change (using multipliers)						
Sharing in a ratio						
Direct proportion						
Tree diagrams						
Circle theorems						
Proof of circle theorems						
Functions and inverse functions						
Composite functions						
Area of segment (using 1/2 absinC)						
Solve quadratic equation by factorising						
Complete the square of a quadratic expression						
Identify turning point by completing the square						
Graph transformation						
Upper and lower bounds (applied to speed)						
Box plots and interpreting						
Velocity-time graphs						
Distance-time graphs						
Tangent to curve to estimate gradient						
Surds (and rationalising denominator)						

	Do				
Paper 5					
	Covered before	Covered in year 11	R	А	G
Divide a decimal by a decimal					
Complete a sample space diagrafor two events	am				
Speed = distance ÷ time problem involving unit conversions, fraction percentages					
Scatter graphs and correlation					
Construct angle bisector to ident loci of points	ify				
Direct and inverse proportion					
Forming and solving linear equat	ion				
Represent a 2D vector as a columeter vector	mn				
Add and subtract vectors					
Interpret compound interest grow	<i>r</i> th				
Exponential growth and decay					
Solve quadratic inequality in one variable					
Find nth term of a fractional sequence					
Expanding triple brackets					
Volume of similar shapes					
Change recurring decimals to fractions					
Volume of sphere and cones					
Describe a sequence of transformations as a single transformation					
Invariance					
Solve linear and quadratic simultaneous equations to find a point of intersection					
Sketch graph of exponential function					

Sketch graph of trigonometric function					
Interpret Venn diagrams					
Paper 6					
	Covered before	Covered in year 11	R	А	G
Recognise graphical misrepresentation					
Use the scale of a map and speed = distance ÷ time					
Find the ratio of quantities in the form 1 : <i>n</i>					
Trigonometry					
Use volume of a pyramid to find height					
LCM/HCF/ Product of primes					
Solve simple ratio problem					
Substitute into formulae					
Use a table of values to plot graph of a quadratic function					
Esimate roots of a quadratic					
Calculate the area of a sector					
Calculate percentage change					
Use algebra to construct a proof					
Tree diagrams and calculations					
Graphing inequalities					
Interpret a histogram with unequal class intervals					
Construct a histogram with unequal class intervals					
Convert a recurring decimal to an exact fraction					
Use the sine and cosine rule in a geometrical problem					
Calculate the equation of a tangent to a circle at a given point					

Simplify and manipulate algebraic			
fractions			