

**Yr 11 Higher PLC**

Compound Measures & Rates of Changes	R	A	G
Converting between compound units			
Calculations with Speed, Distance & Time			
Calculations with Density & Pressure			
Calculating compound Interest (exponential growth)			
Calculating depreciation			
Express direct and inverse proportion			
Graphs of direct and inverse proportion			
Interpreting gradient of a Straight Line			
Gradient of a curve			
Area under a curve			
Functions & Graphs	R	A	G
Sketch graphs of cubic, reciprocal and exponential functions			
Graphs of trigonometric functions			
Interpret graphs in real contexts to find approximate solutions			
Transformations of Graphs			
Use function notation			
Find composite function			
Find inverse function			
Using iteration to find an approximate			
Circles, Proofs and Vectors	R	A	G
Construct algebraic proofs			
Understand, apply and prove standard circle theorems			
Recognise and use the equation of a circle			
Find the equation of a tangent to a circle given a point			
Add, Subtract and Multiply vectors			
Use vectors to construct geometric proofs (inc. ratio)			