**Introductory Calculus**

* Max and Min turning points,
* Points of inflexion,
* Differentiation from first principles,
* Using calculus to graph functions.  
   **Functions**
* Function notation,
* Domain and range
* Graphs of functions,
* Algebraic representation of geometrical properties and regions in the plane,
* Odd and even functions
* Asymptotic graphs, both vertically and horizontally **Trigonometry**
* Right angle triangle trigonometric ratios,
* Bearings, angles of elevation and depression,
* 3D-trigonometry,
* Exact ratios, angles of any magnitude
* Graph of trigonometric functions,
* Relationships between trigonometric ratios and trigonometric equations,
* Pythagorean identities,
* Sine rule,
* Cosine rule,
* Area of a triangle,
* (A±B) results,
* double angle results,
* Half-angle results (t-results). **Linear Function**
* Division of an interval in a given ratio (internally and externally)