|  |
| --- |
| **Subject: Maths** |
|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **Year 11** | Unit Name:Multiplicative reasoningGeometric reasoningAlgebraUnit Description:Compare lengths, areas and volumes using ratio notation and /or scale factors: making links to similarity.  | Unit Name:Expand and factoriseChanging the subjectArea and PerimeterUnit Description: To consolidate their algebraic capability from key stage 3 and extend their understanding of algebraic simplification and manipulation to include quadratic expressions .  | Unit Name:Using graphsGeometry – volume and surface areaUnit Description:Students to consolidate their knowledge of angle facts and develop increasingly complex chains of reasoning to solve geometric problems. Revise the first four circle theorems studied in year 10 and learn the remaining theorems.  Students also to revisit and to be able to calculate area and perimeter of rectilinear shapes. Students must have the conceptual understanding of the formula for area by linking this to counting squares. Writing and using the formulae for area and perimeter. | Unit Name:Money MattersFDP conversionsUnit Description:Students to practice their skills in various financial matters. The language of financial mathematics. Simple ideas of tax and wages are introduced and the percentages are studied. Simple and compound interest.   Percentage calculator methods are encouraged throughout and are essential for repeated percentage change/growth and decay problems. Use of financial contexts is central to this block, helping students to maintain familiarity with the vocabulary they are unlikely to use outside school.     Assessment weeks   | Unit Name:RevisionUnit Description:Revision and filling the gaps.   Examination weeks.  | Unit Name:Revision and ExamsUnit Description:Revision and filling the gaps.   Examination weeks.  |