|  |  |  |
| --- | --- | --- |
| **Subject** | **Year 11 Threshold Concepts – Autumn Term** | **How to support students’ learning** |
| Mathematics | **Number**   * Factors, Multiples & Primes * Rounding & Estimation * Fractions – arithmetic * Error intervals * Upper & Lower Bounds (Higher) * Recurring decimals (Higher)   **Algebra**   * Algebraic manipulation * Linear equations * Forming and solving linear equations * Simultaneous equations * Quadratics * Algebraic fractions (Higher) * Non-linear simultaneous equations (Higher) * Iteration (Higher) * Algebraic proof (Higher)   **Geometry**   * 2D/3D Shapes * Unknown angles (include algebra) * Angles on parallel lines * Angles in Polygons * Circle theorems (Higher) * Geometrical proofs (Higher) * Vectors (Higher)   **Ratio & Proportion**   * Ratio, proportion & percentages * FDP * Ratio * Proportion | * Encourage Regular Revision: Help your child set a realistic study timetable that includes short, consistent revision sessions. Encourage them to review class notes and practice questions regularly, rather than cramming before exams. * Discuss Real-Life Applications: Talk about how maths is used in everyday life (e.g. budgeting, shopping discounts, cooking measurements, planning journeys) to help students see its relevance and usefulness. * Use Online Resources: Direct your child to reputable maths websites (e.g. Corbett Maths, Dr Frost Maths, BBC Bitesize) for video tutorials, practice questions and revision resources. * Practice Past Papers: Encourage your child to complete past exam papers under timed conditions. Discuss your answers afterwards and help them identify areas they need to revisit. * Support Homework Routines: Provide a quiet space and regular time for completing maths homework. Check in to see that homework is being completed and encourage them to ask their teacher for help if they’re stuck. * Monitor Calculator Skills: Make sure your child is confident using a scientific calculator and encourage them to practise using it effectively. |