

Subject	Year 11 Threshold Concepts – Autumn Term	How to support students' learning
Mathematics	<u>Number</u> • Factors, Multiples & Primes • Rounding & Estimation • Fractions – arithmetic • Error intervals • Upper & Lower Bounds (Higher) • Recurring decimals (Higher) <u>Algebra</u> • 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) <u>Geometry</u> • 2D/3D Shapes • Unknown angles (include algebra) • Angles on parallel lines • Angles in Polygons • Circle theorems (Higher) • Geometrical proofs (Higher) • Vectors (Higher) <u>Ratio & Proportion</u> • 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.

