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| **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.
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