Subject	Year 7 Threshold Concepts – Autumn Term	How to support students' learning
Mathematics	**Types of Number** • Multiplication and division • Factors and multiples • Highest common factor and lowest common multiple • BIDMAS **Negative Numbers** • Introduction to negative numbers • Adding and subtracting negative numbers • Multiplying and dividing negative numbers **Decimals** • Ordering decimals • Decimal addition/subtraction/multiplication/division • Rounding and estimating **Equations** • Solving 1 step linear equations • Solving multi-step linear equations • Forming equations	• Encourage your child to practise their times tables up to 15 at home. • When completing homework check that your child is showing all their working out and setting their work out correctly. • Use www.mymaths.co.uk for support if needed. Teachers will have provided your child with a login and password. • Encourage your child to look at where they may use negative numbers in real life. • Encourage them to keep practising their negative number work either through their homework or by using www.mymaths.co.uk or MathsWatch • Encourage your child to set their work out using the correct columns for place value. • Encourage your child to estimate answers by rounding eg shopping costs by rounding to the nearest £.
	Coordinates • Drawing and plotting co-ordinates in 4 quadrants	

	Sequences • Spotting patterns • Using term to term rules **Averages and Comparing Data** • Pictograms and bar charts • Finding averages **Expressions** • Understand and use algebraic notation • Simplify expressions • Substitution **Fractions, Decimals and Percentages** • Simplifying fractions • Adding and subtracting fractions • Multiplying and dividing fractions • Convert between fractions, decimals and percentages	• Encourage your child to work neatly and accurately when drawing charts • As this may be the first time your child has seen algebra, encourage them to ask for help if needed from their teachers either in class or by emailing them directly. • Encourage your child to show clear working out