

Subject	Year 8 Thresholds Concepts – Spring Term	How to support students learning
Mathematics	Surface Area & Volume - Finding the surface area from a net - M884 - Finding the surface area of cubes and cuboids - M534 - Finding the surface area of prisms - M661 - Finding the volume of cubes and cuboids - M765 - Finding the volume of prisms - M722 - Converting units of volume - M465 Linear Graphs - Plotting horizontal, vertical and diagonal lines - M797 - Plotting straight line graphs - M932 - Finding equations of straight line graphs - M544 Angles - Angles in quadrilaterals - M679 - Combining angle facts - M319 - Angles on parallel lines - M606 - Using quadrilateral properties to find angles - M393 - Angles in polygons - M653 Algebraic Fractions - Calculating with fractions - M645 - Calculating with mixed numbers - M619 - Simplifying algebraic fractions by factorising - M754 - Adding and subtracting algebraic fractions - M336 - Using recurring decimal notation - M701 - Converting fractions to recurring decimals - M922 Venn Diagrams - Venn diagrams - M829 - Probability from venn diagrams - M419	- Encourage your child to practise their times tables up to 15 at home. - Encourage your child to set their work out using the correct columns for place value. - Encourage your child to estimate answers by rounding e.g. shopping costs by rounding to the nearest £. - Encourage your child to look at where they may use negative numbers in real life. - Homework will be set on Sparx – teachers will provide your child with a login and password. Use the Sparx codes provided next to the concepts to support them when required.

	- Finding the HCF and LCM from prime factor decomposition - M365 Transformations - Translation - M139 - Reflection - M290 Inequalities - Reading and drawing linear inequalities on number lines - M384 - Solving single inequalities - M118 Brackets - Expanding Double Brackets - M960	
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