

Subject	Year 7 Thresholds Concepts – Autumn Term	How to support students learning
Mathematics	<u>Number sense</u> • Integer place value - M704 • Decimal place value - M552 • Using number lines - M763 • Rounding integers - M111 • Rounding decimals - M431 • Adding integers - M928 • Adding decimals - M429 • Subtracting integers - M347 • Subtracting decimals - M152 • Multiplying and dividing by 10, 100 and 1000 - M113 • Multiplying and place value - M911 • Using a written method to multiply integers - M187 • Using a written method to multiply decimals - M803 • Dividing numbers into equal groups - M462 • Using a written method to divide integers - M354 • Dividing with a remainder - M873 • Using a written method to divide by integers to get a decimal answer - M262 • Using a written method to divide by decimals - M491 • Ordering negative numbers - M527 • Adding and subtracting negative numbers - M106 • Multiplying and dividing negative numbers - M288 • Calculating with roots and powers - M135 • Using the correct order of operations - M521 • Using the commutative laws - M952 • Using the associative laws - M409 <u>Equations</u> • Solving equations with one step - M707 • Solving equations of the form $ax+b=c$ - M634 • Solving equations of the form $x/a +b=c$ - M647	• 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.

	Time & Measures • Converting units of time - M515 • Using clocks - M892 • Calculating with time - M627 • Estimating and measuring length, mass and capacity - M828 • Converting units of length, mass and capacity - M774 • Using appropriate units - M487 Expressions & Substitution • Algebraic notation - M813 • Algebraic terminology - M830 • Simplifying expressions containing a single variable - M795 • Simplifying expressions containing multiple variables - M531 • Simplifying expressions containing non-linear terms - M949 • Substituting into expressions with one operation - M417 • Substituting into expressions with multiple operations - M327 • Substituting into algebraic formulae - M208 • Substituting into real-life formulae - M979 Lines & Shapes • Line properties - M814 • Shape properties - M276 • Symmetry - M523 Co-ordinates • Reading and plotting co-ordinates - M618 • Solving shape problems involving co-ordinates - M230	
--	---	--