Year 7 - Maths Learning Journey

	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Topic Title/ Theme	Place value and proportion	Algebraic Thinking	Applications of number	Directed number. Fractional thinking	Lines and angles	Reasoning with number
Overview	Number lines, Rounding and ordering, range and median, decimals, standard form, significant figures, fractions, fraction, decimal, percent conversion	Linear and non linear sequences, function machines, substitution, graphs	Finance maths, frequency trees, factors and multiples, powers of 10, standard form, division of decimals area, fraction of amounts	Ordering and calculations with negative numbers, algebra with negatives, adding and subtracting fractions (including algebraic fractions)	Angle rules, polygons e.g. triangles and quadrilaterals, construction, pie charts, angle problems, parallel lines, proof	Mental strategies, estimating, sets and venn diagrams, probability, primes and factors, HCF and LCM, Conjectures
Homework activities	Weekly Sparxmaths (or other worksheets, skills, revision and DIRT)					
Assessment	Best work. Number assessment 6th week	Best work.	Best work. Spring assessment 6th week	Best work.	Best work.	Best work. Summer assessment 2nd week
Suggested extended reading activities/ resources	Sparxmaths.com to access vide tutorials and quizzes on every topic. Used for homework tasks https://whiterosemaths.com/homelearning?year=year-7 for information on the topics studied and lesson videos for your child to consolidate anything they choose.					
Suggested enrichment activities	Junior Maths Challenge past papers at https://www.ukmt.org.uk/competitions/solo/junior-mathematical-challenge/archive https://nrich.maths.org/secondary for challenge problems, activities and games					
Revision Resources	Sparxmaths and whiterosemaths as above					