Year 9 - Maths Learning Journey

	Autumn One		Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Topic Title/ Theme	Topic 1 Number	Topic 2 Algebra	Topic 3 Data	Topic 4 Fraction, decimal, percent	Topic 5 Angles	Topic 6 Graphs and solving	Topic 7 Perimeter area, volume
Overview	Calcuations rounding, factors multiples and primes. Express classes extend to indices, roots, surds, standard form,	Simplify algebraic expressions, substitution, expand and factorise single branckets, form and solve equations and sequences. Express classes extend to expand snd factorise double brackets, changing the subject.	Averages and range, represent and interpret data in the form of tables, pictograms, bar charts, stem and leaf diagrams and scatter graphs. Express class extends to frequency diagrams with grouped data and time-series.	Calculations with fractions, FDP, percentage increase and decrease. Express classes extend to percentage change, ratio and proportion.	Angle facts, lines of symmetry, quadrilaterals, parallel lines, polygons, pythagoras. Express extend to trigonometry	Setting up, rearranging and solving equations and inequalities. Express classes extend to real-life graphs, linear graphs quadratic, cubic and other graphs.	Units, perimeter area, circles, surface area and volume. Express classes extend to surface area and volume of cylinders, pyramids, cones and spheres, Accuracy and bounds.
Homework activities	Weekly Sparxmaths (or other worksheets, skills, revision and DIRT)						
Assessment	End of topic assessment	End of topic assessment	End of topic assessment	End of topic assessment	End of topic assessments. Y9 assessment 6th week	End of topic assessment	
Suggested extended reading activities/ resources	Sparxmaths.com to access video tutorials and quizzes on every topic. Used for homework tasks DrFrostMaths.com to access Edexcel course information on the topic numbers above, video tutorials, skills questions, exam questions, and past papers Corbettmaths.com for videos and worksheets, 5-a-day skills sheets and practice papers						
Suggested enrichment activities	Intermediate Maths Challenge past papers at https://www.ukmt.org.uk/competitions/solo/intermediate-mathematical-challenge/archive https://nrich.maths.org/secondary for challenge problems, activities and games						
Revision Resources	DrFrostMaths, Sparxmaths, and Corbettmaths as above						