



Curriculum Overview Year 11 Foundation Mathematics

At Forest Moor School we deliver the mathematics curriculum through fostering a sense of fun and wonder; encouraging pupils to learn and work together, developing their problem-solving skills and approaching mathematics in a real-world context. We want all our pupils to have an understanding of key mathematical skills and knowledge which will underpin their confidence in key life skills such as using money, reading timetables, telling the time and an understanding of key concepts such as measurement, weight and estimates. We know many of our pupils have gaps in their knowledge and have developed negative views towards studying mathematics. We want to overcome these barriers, ensure that all our pupils leave with a competence and confidence in numeracy to enable them to navigate and participate meaningfully in their wider communities and in the world of work. Our ambition for our Year 11 pupils is that they confidently engage with and improve upon the mathematical concepts and skills developed throughout their school career in order to achieve their potential in Functional Skills and GCSE; alongside developing the key life skills outlined above.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number L1.1-1.4,1.7-1.11,1.15	Algebra L1.5	Geometry L1.20,1.22	Angles L1.24,1.26	Statistics L1.27,1.28		Percentages L1.10,1.13,1.14	Indices L1.6	Graphs		Algebra	Accuracy L1.12
	Four operations with numbers, decimals, fractions	Simplify expressions, substitution	Properties of 2D and 3D shapes Area of shapes	Draw and measure angles, angle rules	Two-way tables, frequency tables, bar charts	Stem and leaf diagrams, pie charts	Percentage of amount, increase, decrease	Index notation, standard form	Parallel lines, drawing graphs	Mid-point, gradient and equation of graphs	Expanding brackets, factorise expressions	Rounding and estimation
Spring	Circles	Algebra	Probability	Sequences	Constructions L1.24,1.25	Ratio L1.16,1.17,1.21	Proportion L1.18	Algebra	Pythagoras	Statistics L1.28,1.29	Transformations	Data
	Parts of a circle, area and circumference	Solve equations and inequalities	Probability language, theoretical probability	Term-to-term rule, nth term	Elevations, construct triangles	Simplify and share ratios, solve problems	Best buy, unitary method, direct proportion	Simultaneous equations	Using Pythagoras theorem	Averages from grouped data	Translation, enlargement, rotation, reflection, column vectors	Scatter graphs
Summer	Probability L1.30,1.31	Volume L1.23	Trig	Revision and Exams								
	Sample space diagrams, Venn diagrams	Volume of cuboids and prisms	Trig ratios and exact values	Identify Gaps and Target personal development areas through practice exam papers and targeted interventions.								

Challenge- Honesty- Curiosity- Self-reliance- Belonging- Resourcefulness.