

Assessment Map 2021-2022



Department: Maths

EPS	Year 7	Year 8	Year 9	Year 10	Year 11
2	<p>Baseline assessment completed in September to inform setting</p> <p>Focus: Number</p> <p>Structure: 1 hour Non-calculator</p> <p>Knowledge and skills assessed: Number</p>	<p>Focus: Mixed assessment</p> <p>Structure: 2 x 1 hour</p> <p>Knowledge and skills assessed: Mixture of number, algebra, shape and data at different ability levels</p>	<p>Focus: Mixed assessment</p> <p>Structure: 2 x 1 hour</p> <p>Knowledge and skills assessed: Mixture of number, algebra, shape and data at different ability levels</p>	<p>Focus: Mixed assessment</p> <p>Structure: Full mock exam 3 x 1 hour 30 min papers 1 non- calculator, 2 calculator. Two tiers- Higher and Foundation Majority of student foundation at this stage.</p> <p>Knowledge and skills assessed: Mixture of number, algebra, shape and data at different ability levels</p>	<p>Focus: Mixed assessment</p> <p>Structure: Full mock exam 3 x 1 hour 30 min papers 1 non- calculator, 2 calculator. Two tiers – Higher and foundation At this stage pupils will be sitting the tier they will sir in the summer exams. Borderline students may do both tiers.</p> <p>Knowledge and skills assessed: Mixture of number, algebra, shape and data at different ability levels</p>
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Maths	Autumn Term	Spring term	Summer term	Assessment of learning	Enrichment opportunities
Year 7	Pupils will complete a unit on handling data while in mixed ability groups. Once in set they will work on Number and Algebra topics including – Place value, decimals, factors, multiples, Expressions and equations.	Pupils will complete 3 units at a level appropriate to their ability. Topics include: Angles and properties of shape. Fractions, percentages, ratio and proportion. Perimeter, area, volumes and measures	Pupils will complete 3 units at a level appropriate to their ability. Topics include: Sequences and graphs. Symmetry, coordinates, transformations, maps and scale, Probability.	Pupils in all year groups will complete a topic review at the end of a learning cycle (approx every 2-3 weeks). This will match what they have covered in their lessons. We use progression steps for homework booklets that	Pupils have their own individual login for Vle.mathswtach.co.uk This has videos and interactive questions for them to use at home for revision or to help with homework.
Year 8	Pupils will complete 3 units at a level appropriate to their ability. Topics include: Number – Decimals, factors, multiples, primes, indices, negatives and standard form Algebra- Expressions, equations, inequalities, and formulae Shape - Angles, properties of shape, Pythagoras and trigonometry	Pupils will complete 3 units at a level appropriate to their ability. Topics include: Number – Fractions, percentages, ratio and proportion Shape – Perimeter, area, volumes and measures Algebra – Sequences and graphs	Pupils will complete 3 units at a level appropriate to their ability. Topics include: Data – Averages, bar charts, pie charts, scatter graphs, stem and leaf diagrams, tree diagrams, Venn diagrams and probability. Shape – Symmetry, coordinates, transformations, similarity, maps and scale,	pupils complete once per fortnight. These cover all topic areas at a different levels to aid retention of knowledge. Other homework will be set based on what pupils have covered in their lessons Years 7, 8 &9 Once per term pupils will complete an exam which covers all aspects of the curriculum at an appropriate level . Pupils will be provided with a revision list and mathswatch clips to help them revise.	We are registered with www.parallel.org.uk . This is for ambitious pupils who want to try some interesting aspects of maths which are not covered in the national curriculum.
Year 9					
Year 10	Foundation Number, algebra, angles and statistical diagrams Higher Number, algebra, angles, Pythagoras, trigonometry, statistical diagrams, and averages	Foundation Fractions, percentages, equations, inequalities, sequences, averages, measures, area and volume. Higher Fractions, percentages, ratio, graphs, measures, area and volume	Foundation Probability, graphs, transformations Higher Probability, quadratics, inequalities, simultaneous equations, bearing,, constructions, loci, transformations.	Years 10&11 Once per term pupils will complete a mock exam which covers all aspects of the curriculum, these are split into foundation and higher. Pupils will be provided with a revision list and mathswatch clips to help them revise. The exam board we use is Edexcel	Pupils will have the opportunity to enter competitions and events run by AMSP, nrich and UKMT
Year 11	Foundation Ratio, Pythagoras, trigonometry, quadratics, volume, constructions and loci Higher Percentages, similarity, trigonometry. Graphs, quadratics, histograms and circle theorems.	Foundation Fractions, indices, standard form, percentages and simultaneous equations. Higher Vectors, proof, surds, algebraic fractions, functions and graphs	Revision for GCSE This will include past papers and specific topic revision		Pupils will be given a methodmaths login to complete exam questions at home. Pupils in the top set will have the opportunity to study a GCSE in further maths if they are achieving the top grades by the end of year 10

