

## Year Overview Mathematics Year 10 and 11 Tunbridge Wells

Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Summary</b>	Pupils focus on basic numeracy skills BIDMAS, negative numbers, indices, rounding and operations with and without using a calculator. Conversion between fractions, decimals and percentages	Extending fraction, decimal and percentage work focusing on real world application such as profit, loss, interest and VAT	Pupils focus on data, being able to draw and interpret diagrams and can calculate summary statistics on that data. Pupils learn to describe and calculate probability from a variety of lists, charts and diagrams.	Pupils learn to calculate area and perimeter on simple and compound shapes. Pupils are able to plot coordinates and work with simple linear equations	Pupils learn the basic angle rules and hence can identify angles given. Pupils know what factors and multiples are and can identify them including within problem solving	Pupils know the 4 transformations, can describe them and can move shapes using them. Revision of year 10 content for the end of year exams and consolidation for entry into year 11.
<b>Assessment –</b> pupils to sit EL exam papers when they arrive at Olive Tunbridge Wells. Functional skills exams are sat on an individual basis when the teacher assesses pupil as academically ready		End of Term Assessment		Year to Date Assessment		End of year exams Time to complete entry level papers and functional skills exams still outstanding
<b>Intent (from III grid)</b> All terms with a focus on literacy with a focus of practical activities to inspire the enjoyment of	Pupils know and can apply basic numeracy skills used in everyday life giving them mathematical confidence.	Deepening knowledge from previous learning and extending to real life everyday use	Pupils gain practical skills to analyse data presented to them being able to spot misleading statistics to use in the real world.			Embedding prior knowledge learnt and skills developed to take with them into year 11 All pupils to achieve accreditation at an appropriate level

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studying mathematics						
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Year 11	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Summary</b>	Revision of number work, fractions, decimals and percentages to consolidate year 10 learning Real life graph and unit considerations	Extending area and volume to more complex shapes and circles Introduction to algebra Revision and exam practice in preparation for mock 1	Algebra focussing on simplifying, expanding, solving, substituting and factorising Linear graphs extending to quadratic graphs	Vectors, similarity, congruence, bearings and right angles triangles	Revision for the GCSE exam with a focus of filling any knowledge gaps identified	Revision for the GCSE exam with a focus of filling any knowledge gaps identified
<b>Assessment -</b> pupils to sit EL exam papers when they arrive at Olive Tunbridge Wells. Functional skills exams are sat on an individual basis when the teacher assesses pupil as academically ready		Mock 1	Last attempt at functional skills paper	Mock 1	GCSE Exams	GCSE Exams
<b>Intent (from III grid)</b>  All terms with a focus on literacy with a focus of practical activities to inspire the enjoyment of studying mathematics	Developing a well-structured curriculum aiming to gain a deep level of knowledge and understanding with the focus of building confidence		Using prior knowledge to extend to algebra skills and problem solving Aim for all students to achieve accreditation to their level of ability		A focus of pupils to gain accreditation at the GCSE level	A focus of pupils to gain accreditation at the GCSE level