

Year 10 Curriculum Overview 2017-2018

Subject: Mathematics Foundation Level



Term		Content	Assessment
Autumn Term	Half Term 1	<p>Pupils will complete:</p> <ul style="list-style-type: none"> • Simplifying and expanding brackets • Function machines • Substitution • Drawing Linear and Quadratic graphs • Sequences and nth terms • Place value /multiplication • Fractions • Factors multiples and primes 	Regular assessment every 2 weeks
	Half Term 2	<p>Pupils will complete:</p> <ul style="list-style-type: none"> • Properties of polygons • Angle properties • Transformations • Area and volume • Probability • Averages • Venn diagrams • Statistical diagrams 	Regular assessment every 2 weeks Christmas Assessment
Spring Term	Half Term 3	<p>Pupils will complete:</p> <ul style="list-style-type: none"> • Operations with decimals • Operations with fractions • Order of operations BODMAS • Ratio and proportion • Money and currency problems 	Regular assessment every 2 weeks
	Half Term 4	<p>Pupils will complete:</p> <ul style="list-style-type: none"> • Area and circumference of a circle • Volume of prisms • Angles with parallel lines and in polygons • Constructions • Tangents/arcs /sectors and segments • Bearings • Revision of first 4 terms 	Regular assessment every 2 weeks End of Term Assessment

Summer Term	Half Term 5	<p>Pupils will complete:</p> <ul style="list-style-type: none"> • Midpoint of a line on a graph • Expanding brackets • Rearranging Formulae • Forming and solving equations and inequalities • Fibonacci sequence • Product of primes HCF and LCM • Powers and standard form • Fractions decimals percentages • 	Regular assessment every 2 weeks
	Half Term 6	<p>Pupils will complete:</p> <ul style="list-style-type: none"> • Rounding and estimating • Negative indices • Introduction to bounds and error intervals • Factorising and solving quadratics • Equation of a line • Roots and turning points of equations • Cubic and reciprocal graphs • Simultaneous equations 	<p>Regular assessments every 2 weeks</p> <p>End of Year 10 Mock Examination</p>