Turves Green Boys' School
Curriculum Plan

Mathematics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Sequences Understand and use algebraic notation Equality and equivalence	Place value and ordering integers and decimals Fraction, decimal and percentage equivalence	Solving problems with addition and subtraction Solving problems with multiplication and division Fractions and percentages of amounts	Operations and equations with directed number Addition and subtraction of fractions	Constructing, measuring and using geometric notation Developing geometric reasoning	Sets and probability Prime numbers and proof
8	Ratio and scale Multiplicative change Multiplying and dividing fractions	Working in the cartesian plane Representing data Tables and probability	Brackets, equations and inequalities Sequences Indices	Fractions and percentages Standard index form Number sense	Angles in parallel lines and polygons Area of trapezia and circles	Line symmetry and reflections The data handling cycle Measures of location
9	Straight line graphs Forming and solving equations Testing conjectures	Three-dimensional shapes Constructions and congruency	Numbers Using percentages Maths and money	Deduction Rotation and translation Pythagoras' Theorem	Enlargement and similarity Solving ratio and proportion problems Rates	Probability Algebraic representation *Revisit key topics based on most recent assessment in preparation for year 10*
10F	Number: Calculations Algebraic expressions Graphs, tables and charts	Fractions and percentages Equations, inequalities and sequences	Angles in parallel lines & Polygons Averages and range Perimeter, area and volume 1	Straight line graphs Real-life graphs Transformations	Ratio and proportion Right-angled triangles Probability	Multiplicative reasoning Constructions, loci and bearings
10H	Number problems and reasoning Equations & Formulae Sequences Interpreting and representing data	Fractions, ratio and percentages Angles and trigonometry	Graphs Area and volume Transformations and constructions	Equations and inequalities Probability	Multiplicative reasoning Similarity and congruence Trigonometry	Statistics Equations and graphs
11F	Quadratic equations and graphs Perimeter, area and volume 2 Fractions, indices and standard form	Congruence, similarity and vectors More algebra	<u>Exam Revision</u> Number Algebra Graphs, tables and charts Fractions and percentages Equations and inequalities	<u>Exam Revision</u> Angles Averages and range Perimeter, area and volume 1 Graphs Transformations	GCSE Exams	GCSE Exams
11H	Circle theorems More algebra	Vectors and geometric proof Proportion and graphs	<u>Exam Revision</u> Number Algebra Ratio, proportion and rates of change	<u>Exam Revision</u> Geometry and measures Probability Statistics	GCSE Exams	GCSE Exams

Developing young adults to think critically and logically when approaching problems in mathematics. Building resilience in the face of challenges and inspiring pupils to have the determination to succeed.