Curriculum Overview for students
What are we learning in **Mathematics** in Year 8?

WHEN	MAIN TOPICS	KEY VOCABULARY AND GRAMMAR	RESOURCES TO HELP ME/ASSESSMENT DETAILS
HALF TERM 1	● *Powers and Roots* ● *Perimeter, Area, Volume* ● *Sequences* ● *Probability*	*Indices* *Face* *Edge* *Vertex* *Arithmetic* *Quadratic* *Experimental*	● Tasks on Hegarty Maths you are directed to ● KS3 Maths progress programme ● Regular topic assessments
HALF TERM 2	● *Representing Data* ● *Number Properties and calculations* ● *Algebraic Expressions* ● *Interpreting Data*	Discrete Continuous Grouped Averages Negative Prime Factor	● Tasks on Hegarty Maths you are directed to ● KS3 Maths progress programme ● Regular topic assessments ● **Assessment- AP3**
HALF TERM 3	● *Fractions, Decimals and Percentages* ● *Solving Equations* ● *Working with fractions* ● *Proportionality*	Conversion Recurring Rational Irrational Direct Inverse	● Tasks on Hegarty Maths you are directed to ● KS3 Maths progress programme ● Regular topic assessments
HALF TERM 4	● *Angles and shapes* ● *Decimals* ● *Factors, Multiples and Primes* ● *Constructions of geometric shapes*	Reasoning Recurring HCF LCM Decomposition	● Tasks on Hegarty Maths you are directed to ● KS3 Maths progress programme ● Regular topic assessment ● **Assessment- AP5**
HALF TERM 5	● *Working with formulae* ● *Graphs and equations* ● *Transformations* ● *Geometric relationships*	Rearrange Plot Parallel Perpendicular Theorem	● Tasks on Hegarty Maths you are directed to ● KS3 Maths progress programme ● Regular topic assessments
HALF TERM 6	● *Units and scales* ● *Real life graphs* ● *Extended Project*	Convert Speed, Distance, Time Mass, Density, Volume Gradient	● Tasks on Hegarty Maths you are directed to ● KS3 Maths progress programme ● Regular topic assessment ● **Assessment- AP6** ● **Extended project**