MATHS AT YARDLEYS
INTENT: At Yardleys, we want our pupils to see Mathematics as a universal language that allows us conceptualise and communicate ideas clearly across the curriculum and beyond. Throughout our curriculum, we develop mathematicians that are empowered with the knowledge, attitude and strategies to reason, generalise and simplify complex problems into their composite parts. Our pupils are fluent in the key mathematical processes so that they may become flexible and creative problem solvers that are resilient when faced with challenges.
Y8 MATHS
Year 8 builds on the solid foundations of year 7, while introducing the effective use of calculators and a greater emphasis on ratio/proportion, algebra and geometry.

YEAR 8

SUBSTANTIVE KNOWLEDGE	• Factors Multiples and Primes • Calculating with Fractions & Mixed Numbers • Negative Numbers Identities, • Ratio • Rounding and Estimation	• Calculating with percentages • Solving Equations w brackets and fractions • Quadrilaterals • Multi-step angles and tessellation • Averages	• Circles and Construction • Area of triangle, trapezium and compound shape • Intro to Probability Volume of prisms • Linear sequences & graphs • Transformations
DISCIPLINARY KNOWLEDGE	Develop fluency Reason mathematically Solve problems	Develop fluency Reason mathematically Solve problems	Develop fluency Reason mathematically Solve problems

We aim to provide students with a curriculum that educates the whole child, creating responsible and respectful citizens. Through the development of substantive and disciplinary knowledge students are given the tools that allow them to achieve excellence and be ready for life.