KS3 Mathematics LTP

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 7	Calculating • Working with positive and negative numbers • Number skills and calculations (Pi 1 Unit 1) • The four operations – (Pi 1 Unit 2). Half term test and reteach	Analysing & displaying data • Display and analyse data (Pictogram, bar chart, tally charts) • Find the mean, mode and median for simple data Fraction/decimal and percentages (Unit 1: Pi 1). Half term test and reteach	Angles and lines • Recognise parallel and perpendicular Lines (Pi 1) Describe angles using the words; reflex, straight, obtuse, acute and right • Area and perimeter Half term test and reteach	Ratio and proportion • Simplify Ratio proportion • Decimals and measure Half term test and reteach	Probability • Number properties and calculations (Pi 1 Unit 1) • Decimals and measure Fractions and percentages Half term test and reteach	Transformations • Reflection • Rotation • Enlargement • End of Year Recap Topics End of year test and reteach
Year 8	Number • Properties • Calculations • Number properties and calculations (Pi 2 Unit 1) Factors • Multiples • LCM • HCF Half term test and reteach	Dealing with data • Collecting data • Display and analyse data (Pictogram, bar chart, tally charts) • Fraction/decimal and percentages • Find the mean, mode and median for grouped data (Unit 3: Pi 3 • Theta Expressions and equations Half term test and reteach	Angles • Triangle • Straight line • Use of protractor • Properties of angles • Shapes and measures in 3D derive and apply formulae to calculate and solve problems involving volume of cuboids (including cubes) • Area and perimeter. Half term test and reteach	Multiplication • Reasoning • Unit 7 Using ratio • Using proportion • Measures and conversion Half term test and reteach	Polygons & transformations (unit 10) • Functional Skills/ Projects • GCSE Maths Syllabus Continued End of year test and reteach	Sequence/graphs • Sequence: Generate terms of a sequence from a term-to term rule • End of Year Recap Topics End of year test and reteach
Year 9	Number Calculations · • Use the four operations, including formal written methods, with positive and negative improper fractions and mixed numbers · • Use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals · • Use integer powers and associated real roots (square, cube and higher) · Half term test and reteach	Statistics/Multiplication • Reasoning Unit 3;1 • Planning a survey • Collecting data • Display and analyse data Scatter diagram • Averages from frequency table Multiplication Reasoning Unit 3;1 (Unit 3: Pi 3) • Theta Half term test and reteach	Functional Skills syllabus for practice • Numbers • Measures • Data Handling • Geometry of 2D and 3D Shapes Volumes of cuboids • Describe, sketch and draw using conventional terms and notations: points, lines, parallel lines, perpendicular lines, right angles, regular polygons, & other polygons that are reflectively and rotationally symmetric. Half term test and reteach	Multiplicative reasoning • Solve proportion problems including graphical and algebraic representations · • Use compound units such as speed, unit pricing and density to solve problems · • Use standard units of mass, length, time, money and other measures, including with decimal quantities. Half term test and reteach	Probability (Unit:9) (Unit 9: Pi 3 and Theta (θ)) • Algebraic & Geometric formulae • Real graphs • Functional Skills/Practice Sequences and equations Half term test and reteach	Polygons & transformations (unit 10) • Functional Skills/ Projects • GCSE Maths Syllabus Continued • End of Year Recap Topics End of year test and reteach