CURRICULUM SUMMARY - MATHEMATICS

YEAR 7

TERM 1	TERM 2	TERM 3
CONTENT **Chapter 1 and 7 – Number skills** **Chapter 4 – Fractions** **Chapter 7 – Decimals** **Chapter 3 – Equations, Functions and Formulae**	**CONTENT** Chapter 5 – Angles and 2D shapes Chapter 8 – Analysing and Displaying Data Chapter 10 - Equations	**CONTENT** **Chapter 15 – Ratio and Proportion** **Chapter 2 and 14 – Perimeter, Area and Volume** **Chapter 1 and 3 – Factors and Powers**
ASSESSMENTS • **Standardised Tests which can monitor progress** • **Homework Assessments**	**ASSESSMENTS** • Standardised Tests which can monitor progress • Homework Assessments	**ASSESSMENTS** • **Standardised Tests which can monitor progress** • **Homework Assessments** • **End of year exam covering all topics from this year**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths watch**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths watch**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths watch**

YEAR 8

TERM 1	TERM 2	TERM 3
CONTENT **Chapter 1 – Whole Numbers and Decimals Chapter 2 – Measures and Perimeters Chapter 3 – Expressions and Formulae** **Chapter 4 – Fractions, Percentages and Decimals**	**CONTENT** Chapter 6 – Graphs Chapter 7 – Decimal Calculations Chapter 16 - Probability	**CONTENT** **Chapter 15 – Ratio and Proportion** **Chapter 10 – Equations** **Chapter 11 – Powers and Roots** **Chapter 5 – Angles and 2D shapes**
ASSESSMENTS • **Standardised Tests which can monitor progress** • **Homework Assessments**	**ASSESSMENTS** • Standardised Tests which can monitor progress • Homework Assessments	**ASSESSMENTS** • **Standardised Tests which can monitor progress** • **Homework Assessments** • **End of year exam covering all topics from this year**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths Watch**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths Watch**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths Watch**

YEAR 9 - Exam Board EDEXCEL

TERM 1	TERM 2	TERM 3
CONTENT **Ch 1. Number: Calculations** **Ch 5 Number: Fractions, decimals and percentages** **Ch 4 and 16 Statistics: Handling Data** **Ch 2 Algebra: Expressions**	**CONTENT** Ch 2 Algebra: Expressions Ch 10 Algebra: Solving linear equations Ch 7 Geometry: Working with 2D Chapter 19 – Geometry: Trigonometry and Pythagora	**CONTENT** **Ch 3 Geometry:Angles and Polygons** **Ch 8 Statistics: Probablity**
ASSESSMENTS • **End of Unit Assessments** • **Homework Assessments**	**ASSESSMENTS** • End of Unit Assessments • Homework Assessments	**ASSESSMENTS** • **End of Unit Assessments** • **Homework Assessments** • **End of Year Exam**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**

YEAR 10 - Exam Board EDEXCEL

TERM 1	TERM 2	TERM 3
Ch 14 Algebra: Graphs 1 **Ch 10 Algebra: Equations** **Ch 13/17 Number: Factors, powers, roots, calcualtions 2**	Ch 13/17 Number: Factors, powers, roots, calculations 2Ch 6:formulae and Functions	**Ch 11 Geometry: Circles and Constructions** **Ch 10: Inequalities** **Ch 15: Geometry: Working in 3D**
ASSESSMENTS • **End of Unit Assessments** • **Homework Assessments**	**ASSESSMENTS** • End of Unit Assessments • Homework Assessments • Mid-Year Exams	**ASSESSMENTS** • **End of Unit Assessments** • **Homework Assessments**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths Watch**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths Watch**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online and Maths Watch**

YEAR 11 – Exam Board EDEXCEL

TERM 1	TERM 2	TERM 3
Ch 18: Algebra: Graphs 2 Ch 19 Geometry: vectors	Ch 20 Data: Probability of combined events Ch 22 Number: Units and Proportionality ch 9 Number:Measures of Accuracy	**Revision and preparation for GCSE exam**
ASSESSMENTS • **1 tests measuring progress during this first term** • **Mock Exams**	**ASSESSMENTS** • 2 tests measuring progress during this second term and regular use of practice papers	**ASSESSMENTS** • **In class exam practice using past papers**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**

YEAR 12 – Mathematics – Exam Board EDEXCEL

TERM 1	TERM 2	TERM 3
Papers 1 and 2: Pure Mathematics 1 Paper 3: Statistics and Mechanics **Content overview** ● **Indices and Surds** ● **Quadratics** ● **Simultaneous Equations** & Inequalities ● **Cubic, Quartic and** Reciprocal Graphs ● **Straight Line Graphs** ● **Equation of a Circle** ● **Sampling** ● **Measures of Spread** ● **Representing Data** ● **Modelling in Mechanics** ● **Constant Acceleration** Equations ● **Probability**	Papers 1 and 2: Pure Mathematics 1 Paper 3: Statistics and Mechanics **Content overview** ● **Factor Theorem and Proof** ● **Trigonometry** ● **Differentiation** ● **Integration** ● **Forces and Motion** ● **Resolving Forces** ● **Vectors**	Papers 1 and 2: Pure Mathematics 1 **Paper 3: Statistics and Mechanics** **Content overview** ● **Integration continued** ● Logarithms and Exponentials ● Variable Acceleration ● Correlation ● Regression
ASSESSMENTS • **Progress test by half term and progress test at end of term**	**ASSESSMENTS** • Mock exam at start of term, progress test at end of term	**ASSESSMENTS** • **Ongoing exam preparation and practise**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**

YEAR 12 – FURTHER MATHS EDEXCEL

TERM 1	TERM 2	TERM 3
Papers 1 and 2: Pure Mathematics 1 Paper 3: Statistics and Mechanics **Content overview** ● **Indices and Surds** ● **Quadratics** ● **Simultaneous Equations** & Inequalities ● **Cubic, Quartic and** Reciprocal Graphs ● **Straight Line Graphs** ● **Equation of a Circle** ● **Sampling** ● **Measures of Spread** ● **Representing Data** ● **Modelling in Mechanics** ● **Constant Acceleration** Equations ● **Probability** ● **Factor Theorem and Proof** ● **Trigonometry** ● **Differentiation** ● **Integration** ● **Forces and Motion** ● **Resolving Forces** ● **Vectors** ● **Binomial Theorem**	**Papers** 1 and 2: Pure Mathematics 1 Paper 3: Statistics and Mechanics Content Overview ● **Integration continued** ● **Logarithms and Exponentials** ● **Variable Acceleration** ● **Correlation** ● **Regression** ● **Algebraic Fractions** ● **Sequences and Series** ● **Functions** ● **Binomial Expansion** ● **Radians** ● **Moments** ● **Random Variables** ● **Hypothesis Testing** ● **Further Trigonometry** ● **Parametric Equations** ● **Normal Distribution** ● **Projectiles** ● **Differentiation** ● **Numerical Methods**	Papers 1 and 2: Pure Mathematics 1 Paper 3: Statistics and Mechanics **Content Overview** ● **Vectors** ● **Integration** ● **Rigid Bodies** ● **Further Kinematics**
ASSESSMENTS • **Progress tests**	**ASSESSMENTS** • Progress tests	**ASSESSMENTS** • **End of Year Mock**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**

YEAR 13 MATHEMATICS EDEXCEL

TERM 1	TERM 2	TERM 3
Term 1 Papers 1 and 2: Pure Mathematics 2 Paper 3: Statistics and Mechanics **Content Overview** ● Regression ● Conditional Probability ● Moments ● Partial Fractions ● Functions ● Sequences and Series ● Binomial Expansion ● Radians ● Trigonometry ● Statics and Dynamics	**Term 2** **Papers** 1 and 2: Pure Mathematics 2 Paper 3: Statistics and Mechanics **Content Overview** ● Differentiation ● Trigonometry continued ● Projectiles ● Parametric Equations ● Numerical Methods ● Further Kinematics ● Rigid Bodies ● Radians ● Trigonometry ● Vectors	**Term 3** Papers 1 and 2: Pure Mathematics 2 Paper 3: Statistics and Mechanics **Content Overview** ● Integration
ASSESSMENTS • Progress test by half term and progress test at end of term	**ASSESSMENTS** • Mock exam at start of term, progress test at end of term	**ASSESSMENTS** • Ongoing exam preparation and practice
HOW PARENTS CAN SUPPORT LEARNING Ensuring your child completes homework and brings the correct Maths equipment to every lesson Ensuring your child is able to access and use MyMaths online	**HOW PARENTS CAN SUPPORT LEARNING** Ensuring your child completes homework and brings the correct Maths equipment to every lesson Ensuring your child is able to access and use MyMaths online	**HOW PARENTS CAN SUPPORT LEARNING** Ensuring your child completes homework and brings the correct Maths equipment to every lesson Ensuring your child is able to access and use MyMaths online

YEAR 13 – FURTHER MATHS EDEXCEL

TERM 1	TERM 2	TERM 3
Papers 1 and 2: Pure Mathematics 2 Paper 3: Statistics and Mechanics Paper 4: Core Pure Mathematics 1 **Content overview** ● **Differentiation** ● **Vectors** ● **Integration** ● **Correlation and Regression** ● **Conditional Probability** ● **Normal Distribution** ● **Projectiles** ● **Moments** ● **Statics and Dynamics** ● **Further Kinematics** ● **Complex Numbers** & Argand Diagrams ● **Series** ● **Roots of Polynomials** ● **Volume of Revolution** ● **Transformations** ● **Matrices** ● **Proof** ● **3D Vectors**	Paper 5: Core Pure Mathematics 2 Paper 6: Further Mechanics 1 Paper 7: Further Pure Mathematics 1 Content Overview ● **Further Complex Numbers** ● **Series** ● **Methods in Calculus** ● **Further Volumes of Revolution** ● **Polar Co-ordinates** ● **Algebraic Fractions** ● **Momentum and Impulse** ● **Work, Energy & Power** ● **Hooke's Law** ● **Radians** ● **Vectors** ● **Conics** ● **Inequalities** ● **Advanced Trigonometric Approaches** ● **Collisions** ● **Elastic Collisions** ● **Hyperbolic Functions** ● **Differential Equations** ● **Numerical Methods** ● **Taylor Series** ● **Further Methods in Calculus**	Paper 7: Further Pure Mathematics 1 **Content Overview** ● **Modelling with Differential** Equations ● **Reducible Differential** Equations
ASSESSMENTS • **Progress tests**	**ASSESSMENTS** • Progress tests	**ASSESSMENTS** • **End of Year Mock**
HOW PARENTS CAN SUPPORT LEARNING **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**	**HOW PARENTS CAN SUPPORT LEARNING** **Ensuring your child completes homework and brings the correct Maths equipment to every lesson** **Ensuring your child is able to access and use MyMaths online**