



MATHS Y₁₀ CURRICULUM AND ASSESSMENT MILESTONES DOCUMENT

YEAR 10 ASSESSMENT MILESTONES: MATHS

Autumn Unit 1: Algebraic Manipulation	Simplify expressions, expand and factorise brackets
Autumn Unit 2: Equations, Inequalities and Formulae	Solve linear equations, solve inequalities and rearrange formulas
Autumn Unit 3: Quadratic Expressions and Equations	Expand and factorise double brackets, solve quadratics
Autumn Unit 4: Percentages	Increase and decrease by a percentage, solve interest rate problems
Autumn Unit 5: Ratio and Scale	Share in a ratio and solve ratio problems
Autumn Unit 6: Work with Fractions	Add, subtract, multiply and divide fractions. Apply skills to algebra
Spring Unit 1: Non Calculator Methods	Solve multi step problems in decimals and fractions without a calculator
Spring Unit 2: Straight Line Graphs	Plot straight line graphs and understand the equation of a linear graph
Spring Unit 3: Probability	Find the probability of single and multiple events
Spring Unit 4: Rounding and Estimation	Round numbers and use estimation and bounds to solve problems
Spring Unit 5: Perimeter, Area and Volume	Find the perimeter, area, volume and surface area of various shapes
Spring Unit 6: Interpret and Represent Data	Find averages from a table, plot and interpret scatter graphs and understand different types of data
Spring Unit 7: Non-Linear Graphs	Plot and interpret quadratic and cubic graphs
Summer Unit 1: Angles	Know and apply angle rules
Summer Unit 2: Graphs and Diagrams	Plot data graphs such as pie charts and frequency polygons
Summer Unit 3: Vectors	Understand and use vector notation
Summer Unit 4: Factors and Powers	Find and use factors and multiples, apply indice rules and surds
Summer Unit 5: Pythagoras Theorem and Trigonometry	Know and use Pythagoras theorem and trigonometry to find missing lengths and angles
Summer Unit 6: Simultaneous Equations	Solve simultaneous equations using a variety of methods

YEAR 10 ASSESSMENT MILESTONES: MATHS

Assessment: Base line Written test on topics learnt in Year 9	Pupils will be provided with their score which will be used, alongside information from primary schools, to decide pupils sets
Autumn Unit 1: Algebraic Manipulation	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn Unit 2: Equations, Inequalities and Formulae	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn Unit 3: Quadratic Expressions and Equations	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn Unit 4: Percentages	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn Unit 5: Ratio and Scale	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn Unit 6: Work with Fractions	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring Unit 1: Non Calculator Methods	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring Unit 2: Straight Line Graphs	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring Unit 3: Probability	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Assessment: Mid-Year Written test on topics learnt so far in Year 10	Pupils will be given a breakdown of their strengths and weaknesses from the assessment. These topics will make up future revision lessons.
Spring Unit 4: Rounding and Estimation	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring Unit 5: Perimeter, Area and Volume	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring Unit 6: Interpret and Represent Data	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring Unit 7: Non-Linear Graphs	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer Unit 1: Angles	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer Unit 2: Graphs and Diagrams	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer Unit 3: Vectors	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer Unit 4: Factors and Powers	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer Unit 5: Pythagoras Theorem and Trigonometry	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer Unit 6: Simultaneous Equations	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Assessment: End of Year Mock assessment	Pupil tests will be marked by teachers and answers modelled for pupils to self-assess. Scores, alongside other assessments and teacher assessment, will be used to determine maths sets for Year 11