

Mathematics Year 11 Higher

Curriculum Manager: Mrs Anne Crowder

Second in Faculty: Mrs Alexandra Cooper

Teaching Staff: Gwen Moore; Clare Maguire; Caroline Rushton; Paul Stead; David Sowden; Joanne Watkins; Joanne Kenny; Lucy Pettigrew; Amanda Horton; Lauren Fitzpatrick; Sean Szekely.

Curriculum Overview Year 11:

Topics Studied - Term 1

Half Term 1

Circles
Trial and Improvement and Algebraic Proof
Compound Measures and Kinematics
Proportion
Collect and Display Data
Histograms

Half Term 2

Similarity and Congruence
Further Graphs
Probability
Collecting and Displaying Data
Construction

Topics Studied - Term 2

Half Term 3

Maps and Bearings
Sequences
Functions
Transformations of Graphs
2D and 3D Shapes

Half Term 4

Bounds
Inequalities

Topics Studied - Term 3

Half Term 5

Revision
Past Paper and Exam practice

Half Term 6

Revision
Past Paper and Exam practice

Assessments:

Pupils will sit graded assessments at the end of every half term and are expected to revise for these assessments throughout the year.

Pupils will sit Mock Exams in Autumn and Spring, to help prepare them for the GCSE exam in the Summer.

Homework:

An online or written exercise will be given weekly by class teachers.

Other Useful Information:

Key Dates:

Mock Exams – Autumn and Spring Term

Equipment

Students will need a pen, pencil, ruler, compass and protractor for all Maths lessons. Pupils will also require a scientific calculator. Equipment can be purchased from Student Services.

Online Resources

www.mathswatchvle.com: Mathswatch can be used to access tutorial videos and questions on all maths topics on the KS4 Maths syllabus.

www.methodmaths.com: This website can be used to work through exam papers, for both the new and old maths syllabus. Immediate feedback is given and more complex exam questions can be broken down into stages to help develop exam technique.

Each pupil has been given a unique username and password for these online resources which are recorded in their planner at the beginning of the academic year.

Pupils may also be set work specifically by their class teacher from these sites and will have a unique username and password to access this work.

Moodle: Moodle contains links to other useful websites and resources.

Mathematics Year 11 Foundation

Curriculum Manager: Mrs Anne Crowder

Second in Faculty: Mrs Alexandra Cooper

Teaching Staff: Gwen Moore; Clare Maguire; Caroline Rushton; Paul Stead; David Sowden; Joanne Watkins; Joanne Kenny; Lucy Pettigrew; Amanda Horton; Lauren Fitzpatrick; Sean Szekely.

Curriculum Overview Year 11:

Topics Studied - Term 1

Half Term 1

Probability
Sequences
Fractions, Decimals and Percentages
Real Life Graphs
Inequalities

Half Term 2

Proportion
Standard Form
Simultaneous Equations
Surface Area
Volume
Mock Exams

Topics Studied - Term 2

Half Term 3

Trigonometry
Time and Measure
Reading Scales and Converting Units
Maps and Bearings
Similarity and Congruence

Half Term 4

Compound Measures
Construction
Trial and Improvement and Algebraic Reasoning
Vectors
Collecting Data

Topics Studied - Term 3

Half Term 5

Revision
Past Paper and Exam practice

Half Term 6

Revision
Past Paper and Exam practice

Assessments:

Pupils will sit graded assessments at the end of every half term and are expected to revise for these assessments throughout the year.

Pupils will sit Mock Exams in Autumn and Spring, to help prepare them for the GCSE exam in the Summer.

Homework:

An online or written exercise will be given weekly by class teachers.

Other Useful Information:

Key Dates;

Mock Exams – Autumn and Spring Term

Equipment

Students will need a pen, pencil, ruler, compass and protractor for all Maths lessons. Pupils will also require a scientific calculator. Equipment can be purchased from Student Services.

Online Resources

www.mathswatchvle.com: Mathswatch can be used to access tutorial videos and questions on all maths topics on the KS4 Maths syllabus.

www.methodmaths.com: This website can be used to work through exam papers, for both the new and old maths syllabus. Immediate feedback is given and more complex exam questions can be broken down into stages to help develop exam technique.

Each pupil has been given a unique username and password for these online resources which are recorded in their planner at the beginning of the academic year.

Pupils may also be set work specifically by their class teacher from these sites and will have a unique username and password to access this work.

Moodle: Moodle contains links to other useful websites and resources.