

Mathematics Year 9 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 9 - Maths and GCSE Statistics:

Topics Studied – Term 1

Half Term 1

Negative Numbers
Angles and Parallel Lines
Sequences and Nth Term
Averages
Data

Half Term 2

Decimals
Algebra – Expressions
Ratio
Displaying Data
Coursework

Topics Studied – Term 2

Half Term 3

Probability
Time Series and Moving Averages
Histograms
Probability Distribution and Quality Assurance
Displaying Data and Retail Index Numbers
Percentages

Half Term 4

Powers, Roots and Standard Form
Special Number
Algebra – Substitution
Circles and Volume
Fractions
Area and Perimeter
Transformations

Topics Studied – Term 3

Half Term 5

Equations
Statistics Revision – Averages, Types of Data, Histograms and Box plots

Half Term 6

Statistics Revision – Retail Index Numbers
Linear Graphs
Pythagoras and Trigonometry
Speed, Distance and Time
2D/3D Shapes, Construction

Assessments:

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

In April, all pupils will take an end of year graded assessment. These Core Assessments also form part of the setting process for Year 10.

Homework:

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

Other Useful Information:

Key Dates:

Core Assessments – April/May

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 KS3 Maths syllabus.

Each pupil has been given a unique username and password which is recorded in their planner at the beginning of the academic year.

www.mymaths.co.uk: MyMaths can be used to access online lessons for all maths topics on the KS3 syllabus.

School username: aomhs

School Password: brown

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

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

Mathematics Year 9 Foundation

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Half Term 1

Negative Numbers
Angles and Parallel Lines
Sequences and Nth Term
Averages
Data

Half Term 2

Decimals
Algebra – Expressions
Ratio
Displaying Data
Coursework

Topics Studied – Term 2

Half Term 3

Probability
Time Series and Moving
Averages
Displaying Data
Fractions
Area and Perimeter
Pythagoras

Half Term 4

Powers, Roots and Standard
Form
Special Number
Algebra – Substitution
Circles and Volume
Percentages

Topics Studied – Term 3

Half Term 5

Equations
Statistics Revision – Averages,
Types of Data, Charts and
Graphs
Scattergraphs and Probability
Box Plots and Cumulative
Frequency

Half Term 6

Statistics Revision – Retail Index
Numbers
Linear Graphs
Measures
Speed, Distance and Time
2D and 3D Shapes and
Construction

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