

# Mathematics Year 8

**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 8:

### **Topics Studied - Term 1**

#### **Half Term 1**

Algebraic Expressions  
Perimeter, Area and Volume  
Decimals  
Special Number

#### **Half Term 2**

Coordinates and Graphs  
Equations  
Sequences

### **Topics Studied - Term 2**

#### **Half Term 3**

Fractions  
Percentages  
Fractions, Decimals and Percentages  
Ratio and Proportion  
Probability

#### **Half Term 4**

Negative Numbers  
Algebra – Substitution  
Angles  
BODMAS and Estimation

### **Topics Studied - Term 3**

#### **Half Term 5**

Four Rules  
Collecting and Displaying Data  
Averages

#### **Half Term 6**

Measure, Time and Reading  
Scales  
Transformations  
Construction  
2D and 3D shapes  
Representing Data

## **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 Core Assessments towards the end of the year, to assess the progress they have made. These Core Assessments also form part of the setting process for Year 9.

## **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.