

Mathematics in Year 7



Course Description

Students entering the Academy in Year 7 follow a newly developed mathematics scheme of Work.

Students study topics designed to build on their Key Stage 2 knowledge and understanding

As the Academy has a condensed two year KS3, students are provided with the opportunity to make at least two levels of progress throughout the two years.

Course Content

Students will cover the following modules:-

1. Special numbers and powers
2. Angles and proof
3. Directed numbers
4. Linear Sequences
5. Fractions
6. Algebraic expressions and brackets
7. Ratio and proportion
8. Decimals
9. Perimeter and Area
10. Probability
11. Functions and Graphs
12. Time / Solving equations
13. Transformations
14. Shape & constructions
15. Percentages
16. Statistics

Gifted and Talented Provision

The opportunity to participate in the UKMT national test and gain a gold, silver or bronze certificate.

Extracurricular Opportunities

A homework club is available each week at lunchtime for all students in years 7 to 10.

Assessment

All students in Year 7 are required to complete two pieces of written homework each week to reinforce learning.

After each module is completed, students will be given a summary homework to complete which will provide a national curriculum level. The modular booklets will assess the understanding of each topic and highlight student's strengths and areas of development, so further action can be taken to raise attainment.

During the year, students will also complete eight summative assessments carried under examination conditions. Students will also be given national curriculum level for each module.

Equipment Required

Pen, Pencil, Ruler and Rubber.

Useful Websites

<http://www.bbc.co.uk/education>

