



Mathematics Department Profile

Coloma has a strong Mathematics Department currently consisting of nine full time teachers and one part-time teacher. Members of the department are keen to share good practice and are supportive of one another. All full time teachers are expected to teach across the ability range up to and including A Level.

Most of the mathematics is taught in one area with four dedicated mathematics rooms, all in proximity to the mathematics office. Each teaching room has an interactive whiteboard and display boards for pupils' work. A few sixth form lessons are taught in the separate sixth form block.

Key stage 3

In Year 7 all classes are initially taught in mixed ability classes until the autumn half term, after which they are loosely set. Year 8 are placed in sets according to their ability. Within Key Stage 3, each pupil will follow a differentiated scheme of work covering Number, Algebra, Ratio, proportion and rates of change, Probability and Statistics to help them develop fluency, reason mathematically and solve problems.

Key stage 4

At Key Stage 4, girls are set according to ability. The Edexcel GCSE course is followed by all groups with the majority of girls aiming to take the Higher Tier. Internal tests are set each half term and are marked by the class teacher. There are main school examinations at the end of year 10 and mock examinations in Year 11. The progress of each girl is monitored closely by the mathematics department. In Year 11, girls are given a planned revision programme including practice of past papers, after school revision sessions and independent learning.

Among the resources used by the girls are the MyMaths textbooks and homework books, MyMaths and MathsWatch online. In June 2017, 87% of girls obtained grades 4 or above in GCSE Mathematics.

Key stage 5

A Level is a popular option with the numbers usually increasing each year. This year we have 44 girls taking the full A level over 2 years and 35 doing A2. In June 2017, at A2 100% achieved grades A-E with 50% achieving Grade B or above. Currently we have four girls taking Further Mathematics. All girls follow the Edexcel course.

Maths Challenges

- Year 8 participate in the UK Junior Mathematics Challenge.
- Year 10 participate in the UK Intermediate Mathematics Challenge
- The UK Senior Maths challenge is open to girls in Years 11, 12 and 13.