MATHEMATICS

Exam board: IGCSE EDEXCEL

Method of Assessment: Two written papers

Length of Exams: Two hours each, a calculator may be used in both papers.

Breakdown of units:

Maths students at RIC can be entered at either Higher or Foundation levels depending on what suits their ability. Students are initially entered for the higher tier as this usually is the best option for the majority, even if individuals struggle with Mathematics, the boundary for gaining a C grade is much lower on the higher tier than the lower tier. Both papers cover the complete course

The content includes:

- Number and algebra - 55%
  Students are expected to use numerical skills both in purely mathematical and real life situations, and use algebraic methods to set up and solve problems.

- Shape and space - 25%
  Students are expected to use the properties of angles, transformations, area, volume, and use geometric instruments correctly.

- Data handling - 20%.
  Students are expected to understand basic ideas of statistical averages, use a range of statistical techniques, and use the basic ideas of probability.

The course builds on the content and knowledge developed in key stage three of the national curriculum, so that students joining in year ten and eleven can convert to Edexcel with ease.

Students should ensure that answers are set out in a coherent and organised way. They should apply the skills they are taught to answer questions that are structured or unstructured, according to whether they are task-based or proof etc.

Within the college the students will complete a weekly test, designed to give good practice at the different types of questions, assessing their own progress and preparing them for the exam.

Overlap with other subjects: Having a firm grasp of Maths will serve many subjects at GCSE or A- level well: Physics, Chemistry, Biology, Economics, etc.