Subject Overview:

The learning of mathematics is an active and engaging process and through thinking and working mathematically students develop and use the processes of problem solving, reasoning and proof, communication, making and using connections and the skills of representation.

Worldwide developments in mathematics mean that it is necessary to use technologies, including information and communication technologies, to be able to represent and model contextual applications of mathematics, to manage and interpret data and to critically use mathematics to understand the physical and social environment.

Middle School Pathway (Inc. Year 10):

Mathematics in the Middle School is taught in context, so that students are able to directly apply their knowledge and learning to their everyday lives. Technology can be used in the form of calculators, laptops and interactive whiteboards, as well as a range of software to help solve more complex problems. Students are expected to achieve appropriate standards and are encouraged to progress according to their abilities. Students with high potential in this area may study at higher levels.

Learning is organised according to the Australian Curriculum.

Senior School Pathway:

When studying Mathematics students participate in a wide variety of problem-solving activities. The subjects give students the abilities and skills required for further study, the workplace and in everyday life. They learn how to approach new challenges by investigating, modelling, reasoning, visualising, and problem solving, with the goal of communicating to others the relationships observed and the problems solved. Students who want to learn mathematics with an emphasis on practical applications should choose Mathematical Applications.

Stage 1 (credits)
- Mathematical Applications (10 or 20)
- Mathematics (10 or 20 or 30 or 40)
- Numeracy for Work and Community Life (10)

Stage 2 (credits)
- Mathematical Applications (10 or 20)
- Mathematical Studies (20)
- Specialist Mathematics (20)

Students who complete 10 credits of Stage 1/ Stage 2 Mathematics subjects with a C grade or better will meet the numeracy requirement of the SACE.

Extra Features:

Mathematics learning is central to numeracy. Numeracy is the ability to understand, critically respond to and use mathematics in different social, cultural and work contexts. This includes how mathematics can be used in other areas of learning.

Students are encouraged to enter the Australian Mathematics Competition where they engage in challenging and interesting questions.
Year 8 Accelerated
Stage 1 M1/M2/M3/M4
Year 10 Advanced
Stage 1 M1/M2/M3/M4
Stage 2 Mathematical Studies
Stage 2 Specialist Maths
Any of Stage 2: Applications Studies Specialist
Stage 1 A1/A2
Stage1Apps
Financial (A1) or Geometry (A2)
Year 9 Accelerated
Stage 1 M1/M2/M3/M4
Stage 2 Mathematical Studies
Stage 2 Specialist Maths
Any of Stage 2: Applications Studies Specialist
Stage 1 A1/A2
Stage1Apps
Financial (A1) or Geometry (A2)
Year 8 Standard
Year 9 Standard
Stage 1 M1/M2/M3/M4
Stage 2 Mathematical Studies
Stage 2 Specialist Maths
Any of Stage 2: Applications Studies Specialist
Stage 1 A1/A2
Stage1Apps
Financial (A1) or Geometry (A2)
Workplace Maths
Numeracy for Work & Community Life