HEAD OF DEPARTMENT:  Sharyn Crookes

SUBJECT OUTLINE:
The Maths curriculum in Year 8 is taken from the Australian Curriculum in Maths. It provides students with the skills to be confident, creative users of mathematics. The curriculum focuses on developing mathematical understanding, fluency, logical reasoning, analytical thought and problem solving skills. It is organised around three content strands and four proficiency strands.

The content strands are:
- Number and Algebra
- Measurement and Geometry
- Statistics and Probability

The proficiency strands describe the actions in which students can engage when learning and using the content. The proficiencies are:
- Understanding
- Fluency
- Problem solving
- Reasoning

There are three different Maths strands in Year 8; Extension, Core and Consolidation. Students will be assigned a pathway depending upon their results in Year 8 and in standardised tests such as PAT-M and NAPLAN.

Homework is set regularly and students are expected to do a minimum of 15 to 30 minutes per night after each lesson. Parents can help by offering encouragement, support and a suitable work area. Discussion about their work will help them better understand the topics they are studying. Students must bring a calculator to all maths lessons.

RSC uses the text by Pearson which has interactive eBook for students to use at school and at home.

ASSESSMENT OUTLINE:
The course is assessed by exams, investigations and assignments.

CAREER PATHWAYS:
A sound achievement in Mathematics assures students of entry level into various occupations. For students wishing to pursue a career in Medicine or Engineering students should be aiming to achieve consistently high results (A’s or B’s) in Years 8 – 12.

Following Year 10, students will have a choice of Maths A, Maths B, Maths C and Pre-Vocational Maths, depending upon results gained and the course undertaken in Year 10.

COSTS:
Included in Resource Hire Scheme

STUDENT REQUIREMENTS/PREREQUISITES:
Scientific calculator, exercise pad, ruler, protractor, compasses and Mathomat.