Year 10 STEM – Semester 2 Elective subject

Pre-requisites: This subject, new to 2017, is open to any Year 10 student who is studying Year 10/10A Mathematics, or Year 9 accelerated mathematics students undertaking Year 10/10A, or any Year 11 student who is undertaking Year 11 Mathematics (Methods or Specialist). If Year 11 students wish to take this course they must be aware that no SACE credits will result as it is not a SACE course.

STEM stands for Science, Technology, Engineering and Mathematics. STEM is addressed in the Australian Curriculum through the learning areas of Science, Technologies and Mathematics. The Engineering component is presented across the curriculum areas mentioned previously. Engineering often provides a context for STEM learning.

This Year 10 semester long elective course will consist mostly of project based learning with students applying their knowledge of mathematics and science to consider real world problems. Possible topics for consideration are harnessing energy, climate change and the effect on marine life, space simulation and coding. Students will be involved in critical and creative thinking and presenting their ideas in groups or individually. There will be opportunities to visit sites of research in the areas listed above.