MATHS, SCIENCE, ENGINEERING AND TECHNOLOGY ENRICHMENT (MET)

AIMS:
- To allow students with significant ability in the Mathematics/Science/Technology fields to develop this talent
- To develop critical thinking skills
- To enhance problem solving abilities
- To develop confidence in the use of computers
- To give encouragement to students who may wish to follow careers in the Mathematics, Science or Technology fields – areas Australia needs for the future

CONTENT
As this subject aims to elaborate on and design mathematics, science and digital technologies curriculum in Year 9 and 10, many of the topics will be negotiated between the teacher and students.

Typically, concepts will be integrated into units. The development of investigative, research, and communication skills will be a major emphasis in all units.

Students will be required to engage in a range of learning experiences which broaden their knowledge and skills eg Science and Engineering Challenge, Science and Technology Fair, and University of Southern Queensland Scientific Investigation Awards. Accordingly, significant time will be utilised in class to prepare for these events.

PREREQUISITES:
An enthusiasm and aptitude for Mathematics, Science and Technology.

ASSESSMENT:
This will involve mainly class exams at the completion of a unit of work, assignments, laboratory work, projects and results in competitions.

COSTS: (In addition to the Student Resource Scheme)
A $20 consumables fee; participation in the Science and Engineering Challenge at the University of Southern Queensland (approximately $20).

SPECIAL SUBJECT REQUIREMENTS:
As ambassadors, students will be expected to represent the school in Mathematics, Science and Technology competitions.