

MATHEMATICS Year 10

Students participate in either General Mathematics OR Mathematical Methods

GENERAL MATHEMATICS

STATUS:	Students will be allocated to Core Mathematics or Mathematics Extension based on year 9 data including achievement levels. Parents should contact the HOD if a subject change is required.		
COURSE OVERVIEW:	<p>This subject supports students in developing their understanding, fluency, problem solving and reasoning skills within the 3 content strands:</p> <ul style="list-style-type: none"> • Number and algebra • Measurement and geometry • Statistics and probability 		
COURSE OUTLINE:	<p>Students will study 4 units of work:</p> <ul style="list-style-type: none"> ▪ Statistics and Data ▪ Algebra and Functions ▪ Trigonometry and Algebra ▪ Measurement and Matrices <p>In year 11.... Students who achieve a C or higher in General Mathematics may choose General Mathematics. Studying General Mathematics does not meet the prerequisite for Year 11 Mathematical Methods</p>		
COURSE ASSESSMENT:	Students will be assessed by a Problem Solving Modelling Task and Semester Exam in each semester.		
STUDY REQUIREMENTS:	30 min homework, 3 times a week. Completion of key assessment task work		
SPECIAL REQUIREMENTS:	Students must have a scientific calculator (Casio fx82AU plus II) to complete this course successfully.		
POSSIBLE CAREER PATHWAYS:	Fitter and Turner Beauty Therapist Primary School Teacher Computer Operator Bank Officer Labourer Receptionist	Secondary School Teacher Credit Manager Bookkeeper Hairdresser Hospitality/Tourism	
PARENT/CARER SUPPORT:	<p>Use opportunities to promote basic numeracy – calculating costs, measuring volumes, reading graphs in media reports.</p> <p>Monitor the completion of homework and assessment tasks.</p>		

MATHEMATICAL METHODS

STATUS:	Students will be allocated to Essential Mathematics, General Mathematics or Mathematical Methods based on year 9 data including achievement levels. Parents should contact the HOD if a subject change is required.		
COURSE OVERVIEW:	<p>This subject supports students in developing their understanding, fluency, problem solving and reasoning skills within the 3 content strands:</p> <ul style="list-style-type: none"> • Number and algebra • Measurement and geometry • Statistics and probability <p>This course studies the 10 and 10A learning outcomes from the Australian Curriculum and is more rigorous than the Mathematics General Course.</p>		
COURSE OUTLINE:	<p>Students will study 4 units of work:</p> <ul style="list-style-type: none"> ▪ Statistics and Data ▪ Algebra and Functions ▪ Trigonometry and Algebra ▪ Calculus, Measurement and Functions <p>In year 11.... Students who achieve a B or higher in Math Methods can choose Mathematical Methods Students choosing Mathematical Methods may also choose Specialist Mathematics.</p>		
COURSE ASSESSMENT:	Students will be assessed by a Problem Solving Modelling Task and Semester Exam in each semester.		
STUDY REQUIREMENTS:	30 min homework per night Completion of key assessment task work		
SPECIAL REQUIREMENTS:	Students must have a scientific calculator (Casio fx82AU plus II) to complete this course successfully.		
POSSIBLE CAREER PATHWAYS:	Fitter and Turner Beauty Therapist Primary School Teacher Computer Operator Bank Officer Labourer Receptionist	Secondary School Teacher Credit Manager Bookkeeper Hairdresser Hospitality/Tourism Medicine Finance	Statistician Economics Physics Mathematics Engineering Sports Science Science Analyst
PARENT/CARER SUPPORT:	Use opportunities to promote basic numeracy – calculating costs, measuring volumes, reading graphs in media reports. Monitor the completion of homework and assessment tasks.		