



**ST. FRANCIS  
METHODIST SCHOOL**  
*Possibilities to Realities*

## **Curriculum Description for Singapore-Cambridge GCE 'O' Level**

### **GCE Ordinary Level Additional Mathematics (4018)**

The course aims to enable students to consolidate their elementary mathematical skills, and use them in the context of more advanced techniques; further develop their knowledge of mathematical concepts and principles, and use them for problem solving; appreciate the interconnectedness of mathematical knowledge; acquire a suitable foundation in mathematics for further study in the subject or in mathematics related subjects; devise mathematical arguments and use and present them precisely and logically; integrate information technology to enhance the mathematical experience; conduct independent and/or cooperative enquiry and experiment, including extended pieces of work of a practical and investigative kind; develop the confidence to apply their mathematical skills and knowledge in appropriate situations; develop creativity and perseverance in the approach to problem solving; derive enjoyment and satisfaction from engaging in mathematical pursuits and gain an appreciation of the beauty, power and usefulness of mathematics.

### **Examination**

#### **Scheme of Papers**

There will be 2 papers, each of 2 hours and carries 80 marks

Content for Paper 1 and Paper 2 will not be dissected.

Each paper will consist of approximately 10 to 12 questions of various lengths. There will be no choice of question except the last question in each paper which will consist of two alternatives, only one of which must be answered. The marks allocations for the last question will be in the range of 10-12 marks.

Please refer to the SEAB website for more information regarding this course.  
<http://www.seab.gov.sg>

*Note: 4018 will be replaced by 4038 in 2008.*