**SACRED HEART GIRLS’ COLLEGE**



VCE SCHOOL ASSESSED COURSEWORK 2013

Mathematical Methods CAS – Unit 4

SAC 4 – Outcomes 1,2 and 3

Title and Purpose of SAC:

**SAC 4 – Analysis Task**

Students are required to demonstrate achievement of Outcomes 1,2 and 3 – Mathematical Methods CAS.

## Outcome 1 –

Appropriate use of mathematical conventions and terminology.

Definition and explanation of key concepts.

Accurate application of mathematical skills and techniques.

***Outcome 2*** *–*

Identification of important information, variables and constraints.

Application of mathematical ideas and content from the specified areas of study.

Analysis and interpretation of results.

***Outcome 3*** *–*

Appropriate selection and effective use of technology.

Application of technology

**SAC Details:**

**Date:** Part A: to be handed in on Monday 15th July. Part B: Tuesday 23rd July in scheduled class time.

**Venue for Part B:** Scheduled Mathematics classroom

**Time Allocated:** Part A: to be completed outside of class. Part B: 5 minutes reading and 55 minutes writing.

**Description of task: Part A:** Students are to complete a set of multiple choice questions including item response analysis. Part B:A set of multiple choice questions (no item response analysis required)

The SAC covers Differential and Integral Calculus.

**Total Marks: 20 (Part B only)**

**Materials Permitted:**

Students are permitted to bring into the SAC:

Approved CAS calculator and a bound book of notes.

A formula sheet will be provided.

Student attendance is compulsory at all scheduled SACs. Any student absent on the specified date must have a medical certificate to justify their absence. These students will be required to sit a Make-Up SAC out of school hours. In order to maintain SAC integrity and justice, these students may sit an alternative task.

**No electronic devices are permitted in the location of the SAC unless specifically permitted by the teacher.**

Ms Gates, Ms. Mak and Mr Smith