

## IB ASIA PACIFIC REGIONAL WORKSHOP AGENDA

DP Maths Studies (Category 1 and 2)

Clifton's Training Centre, Sydney, Australia

15-17 July 2010 Thursday to Saturday

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### Workshop Leader

**Glenn Smith** *B.Ed, Dip.T*

Glenn is head of Mathematics at Glenunga International High School in South Australia. He has taught high school mathematics for many years in diverse locations. An Exam Setter, Vetter and assistant examiner in the local system, Glenn has been involved in IB Mathematical Studies since 2002. He has been an assistant examiner in the IB Diploma programme since 2005 where he marks paper two and moderates the Internal assessment. In 2010 Glenn became a senior moderator for the internal assessment. Glenn is a member of the group 5 internal assessment review committee.

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### **All participants are requested to bring with them the following:**

- A copy of this Agenda
  - Copy of your school's Maths Studies programme where possible
  - Your graphics display calculator
  - Any Tests, Assignments, Projects for discussion
  - Ideas, experiences, questions, and concerns
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*Please note: session topics are subject to change based on needs of the group*

Thursday 15 July

0830 - 0900

**Welcome & Introduction**

0900 - 1000

**Session 1: Introductions and overview**

- Focus and aims of the Workshop
- The IB Model. Group 5 Mathematics
- The nature of the Mathematical Studies Student

1000 - 1030

Morning Break

1030 - 1200

**Session 2: Curriculum and Assessment**

- The Syllabus; a detailed study
- Examinations and Internal Assessment
- Review of the May 2008 paper 1 and paper 2.
- Expectations and concerns

1200 - 1300

Lunch

1300 - 1430

**Session 3: Internal Assessment**

- Purpose of internal assessment.
- Plagiarism and academic honesty
- Criteria for Assessment
- The  $\chi^2$  test for independence
- Marking Students work

1430 - 1500

Afternoon Break

1500 - 1630

**Session 4: Project marking to the Assessment Criteria**

- Marking students work continued
- What amount of help can you give your students
- Issues and Concerns

Friday, 16 July

0830 - 1000

**Session 5: Graphic Display Calculators**

- Applications for a range of topics (Casio and Ti)
- Using the GDC to solve problems in different ways
- Assessment – method marks

1000 - 1030

Morning Break

1030 - 1200

**Session 6: Specimen Paper 1**

- Marking Instructions
- Follow through procedures
- Marking Students work

1200 - 1300

Lunch

1300 - 1430

**Session 7: Resources. The OCC**

- Finding Help
- Textbooks, websites and other resources

	<ul style="list-style-type: none"> <li>▪ Teacher resource materials</li> </ul>
1430 - 1500	Afternoon Break
1500 - 1630	<b>Session 8: Developing Project ideas</b> <ul style="list-style-type: none"> <li>▪ Improving existing Projects</li> <li>▪ Finding ideas in the real world</li> </ul>
1630	End of Day 2
<u>Saturday, 17 July</u>	
0830 - 1000	<b>Session 9: Review Session 8 and Specimen Paper 2</b> <ul style="list-style-type: none"> <li>▪ Marking instructions</li> <li>▪ Use of the GDC in Examinations</li> <li>▪ Marking students work</li> </ul>
1000 - 1030	Morning Break
1030 - 1200	<b>Session 10: Teaching the course</b> <ul style="list-style-type: none"> <li>▪ Differential Calculus</li> </ul>
1200 - 1300	Lunch
1300 - 1430	<b>Session 11: Theory of Knowledge</b> <ul style="list-style-type: none"> <li>▪ General Discussion: Looking at things differently.</li> <li>▪ Developing an understanding of Mathematical knowledge</li> <li>▪ Where does the Maths Studies teacher fit in</li> </ul>
1430 - 1500	Afternoon Break
1500 - 1600	<b>Session 12: Plenary session</b> <ul style="list-style-type: none"> <li>▪ Internationalism and Mathematics</li> <li>▪ Lets stay in touch</li> <li>▪ Issues and concerns</li> </ul>
1600	Workshop Closes*

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\* An official "IB Certificate of Attendance" is awarded to participants who have attended all sessions of a workshop. Please ensure that travel arrangements do not preclude candidacy for a certificate.