

IB ASIA PACIFIC REGIONAL WORKSHOP AGENDA

DP Mathematics HL (Level 1)

Sutera Harbour Resort, Kota Kinabalu, East Malaysia

11 – 13 September 2009, Friday - Sunday

Workshop Leader

Jasmine Madhani

Jasmine is a veteran in this field and well versed with the IB curriculum. She teaches at Dhirubhai Ambani International School in Mumbai, India. Prior to her current position, she taught at the American School of Bombay for thirteen years. She was involved in the Math Curriculum review committee and was a math coordinator.

She has been involved with Math HL and SL since 2000 as a teacher and then as an Assistant Examiner and a moderator of Math SL, MYP Mathematics and Extended mathematics since 2003. She has led IB Math HL workshops in Singapore, Hong Kong and India. She has attended a math standardization meeting in Cardiff in 2004.

All participants are requested to bring with them the following:

- A copy of this Agenda
 - A subject guide for Mathematics HL
 - The Portfolio Tasks – 2009-10
 - A Graphic Calculator – Texas TI - 83 , 84 or equivalent Casio
 - A copy of Mathematics HL syllabus at their school
 - Any resources to share with the group
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Please note: session topics are subject to change based on needs of the group

Friday, 11 September

0830 - 0900

Welcome & Introduction

0900 - 1000

Session 1: Getting Acquainted

- Introduction of participants
- Overview of IB diploma – The IBO mission statement, the history and structure
- The IB learner profile - Math HL classrooms practices

1000 - 1030

Morning Break

1030 - 1200

Session 2: The Math HL Programme

- Aims and objectives of the Mathematics HL
- Discussion on presumed knowledge for the Mathematics HL
- Teaching notes and the syllabus
- The programme planning – Group work on how to distribute the Mathematics HL syllabus

1200 - 1300

Lunch

1300 - 1430

Session 3: Math HL Assessments – Internal and External

- Assessment outline
- Subject reports – a feedback from IBO
- The structure of the examination papers
- Discussion on some teaching strategies

1430 - 1500

Afternoon Break

1500 - 1630

Session 4: Grading Examinations - 1

- What are markschemes for the IB Mathematics HL?
- Sample questions from the exam papers – May 2008 Exam
- A discussion of marking standards
- Marking Activity 1

1630

End of Day 1

Saturday, 12 September

0830 - 1000

Session 5: Session 5: Grading Examinations - 2

- Discussion of marking activity 1
- Marking Activity 2

1000 - 1030

Morning Break

1030 - 1200

Session 6: Internal Assessment

- Aim, purpose of Internal Assessment
- Tasks – Difference between modelling and investigative tasks
- The integration of portfolio activities into the programme
- Timing of portfolio tasks
- Academic honesty
- Moderation process and Evaluation forms
- Internal Standardization
- Discussion - "How to introduce a portfolio task?"

1200 - 1300	Lunch
1300 - 1430	Session 7: Assessment Criteria <ul style="list-style-type: none"> ▪ Discuss assessment criteria and students' expectations ▪ New portfolio tasks for use in 2009 and 2010 ▪ Marking activity for type 1 task ▪ Discussion of marking standards
1430 - 1500	Afternoon Break
1500 - 1630	Session 8: Online Curriculum Centre <ul style="list-style-type: none"> ▪ Introduction – what is the OCC? ▪ Access to OCC ▪ Explore the website Share teaching ideas with the group
1630	End of Day 2

Sunday, 13 September

0830 - 1000	Session 9: Grading Portfolio Tasks <ul style="list-style-type: none"> ▪ Marking Activity – Type 2 task ▪ Discussion of marking standards
1000 - 1030	Morning Break
1030 - 1200	Session 10: Graphic Display Calculator Activity <ul style="list-style-type: none"> ▪ Teaching Mathematics HL and GDC ▪ Changes in the use of calculators in the exam ▪ Share teaching ideas with the group
1200 - 1300	Lunch
1300 - 1430	Session 11: Theory of Knowledge and Extended Essay <ul style="list-style-type: none"> ▪ Aims, objectives and assessment of TOK ▪ Mathematics and TOK – Activity ▪ Extended Essay – changes in EE criteria ▪ Role of a supervisor
1430 - 1500	Afternoon Break
1500 - 1600	Session 12: Evaluation, Reflections and Resources <ul style="list-style-type: none"> ▪ Sharing resources, useful websites ▪ Reflections and any pending issues from the previous sessions ▪ Evaluation form
1600	Workshop Closes and Award of Certificates*

* 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.