

IB ASIA PACIFIC REGIONAL WORKSHOP AGENDA

DP Mathematics HL (Category 1)
Grand Copthorne Waterfront Hotel, Singapore
Friday – Sunday, 15 - 17 January 2010

Workshop Leader

Paul Jackson

Paul has a 1st class Special honours BSc degree in Pure Mathematics as well as a PGCE from the University of Sheffield, and an MSc in Pure Mathematics from the University of Leeds. He taught in the UK before becoming Head of Mathematics at Island School, Hong Kong in 1985.

Paul has taught IB mathematics since 2005, having regularly taught Mathematics SL, Mathematics HL and Further Mathematics SL. Since 2006 he has been an IB examiner and is currently a team leader for the Extended Essay (Mathematics) as well as an examiner for Higher level Mathematics (paper 3).

All participants are requested to bring with them the following:

- A copy of this Agenda
 - A graphical calculator, preferably Casio 9860 or similar.
 - Mathematics HL Syllabus (download from the OCC)
 - Mathematics HL Teaching Notes (download from the OCC)
 - Any teaching ideas or timelines you would like to share
 - Your OCC username, school code and password (if you have these)
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Please note: session topics are subject to change based on needs of the group

Friday, 15 January

0830 - 0900

Welcome & Introduction

0900 - 1000

Session 1: Workshop introduction

- Introduction of participants
- What you hope to gain from this workshop
- Agreement on conduct
- The IB continuum
- Homework (which is optional, sort of)

1000 - 1030

Morning Break

1030 - 1200

Session 2: Theory of Knowledge – the DP core

- Outline of ToK
- Maths in ToK or ToK in Maths?

1200 - 1300

Lunch

1300 - 1430

Session 3: HL Syllabus overview

- Syllabus outline
- Assessment outline
- Use of calculator
- Teaching issues (follow up tomorrow)

1430 - 1500

Afternoon Break

1500 - 1630

Session 4: Use of the OCC

- Practical session (I hope)
- What is on the OCC?
- Use of forums
- Online resources

1630

End of Day 1 (but there may be some optional homework)

Saturday, 16 January

0830 - 1000

Session 5: Practical teaching ideas (1)

- Approaches to difficult topics
- Text books

1000 - 1030

Morning Break

1030 - 1200

Session 6: Practical teaching ideas (2)

- Approaches to difficult topics
- Text books

1200 - 1300

Lunch

1300 - 1430

Session 7: Portfolio Tasks

- Type I tasks
- Type II tasks
- Timing of tasks
- Criteria for marking

1430 - 1500	Afternoon Break
1500 - 1630	Session 8: Extended Essay <ul style="list-style-type: none"> ▪ Why Maths is a good EE subject ▪ Assessment criteria ▪ Sample essays
1630	End of Day 2 – possibly some optional homework
<u>Sunday, 17 January</u>	
0830 - 1000	Session 9: External Assessment – Paper 1 <ul style="list-style-type: none"> ▪ Specimen paper ▪ Applying the mark scheme ▪ Non-calculator requirements
1000 - 1030	Morning Break
1030 - 1200	Session 10: External Assessment – Paper 2 <ul style="list-style-type: none"> ▪ Specimen paper ▪ Applying the mark scheme ▪ Calculator techniques
1200 - 1300	Lunch
1300 - 1430	Session 11: External Assessment – Paper 3 <ul style="list-style-type: none"> ▪ The 4 options ▪ Text books ▪ Specimen papers
1430 - 1500	Afternoon Break
1500 - 1600	Session 12: Round Up <ul style="list-style-type: none"> ▪ Unresolved issues ▪ Final thoughts and questions
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.