

IB ASIA PACIFIC REGIONAL WORKSHOP AGENDA

DP Mathematical Studies (Category 2)

Grand Copthorne Waterfront Hotel, Singapore

Friday – Sunday, 15th- 17th January 2010

Workshop Leader

Jennifer Wathall

Jennifer Wathall has been a teacher of mathematics for 20 years. She has worked in several international schools including South Island School, Hong Kong, The United Nations International School (UNIS, one of the original IB schools), New York and she is currently working at Island School, Hong Kong as a leading teacher of mathematics.

In the international arena she has presented workshops such as “The Interactive Whiteboard – how to utilize the IWB for Teaching and Learning in the Classroom” and “The Use of the IWB in the Mathematics Classroom” to the staff at UNIS, New York, “The Power of Power Point in the Mathematics Classroom” to the ESF secondary mathematics group in Hong Kong. More recently she has presented “How to Integrate Multi Media into the Classroom” at the 21st Century Conference hosted by ESF and the Education Bureau in Hong Kong and Shanghai and The Asian Technology Conference in Mathematics, Bangkok in 2008.

Jennifer has held several positions of responsibility including Activities Coordinator, IB Mathematics Development Coordinator and IWB Coordinator for Mathematics. She is currently giving talks around Asia about how to effectively integrate a 1:1 programme into the mathematics classroom.

All participants are requested to bring with them the following:

- A copy of this Agenda
 - Casio/ Texas Instruments GDC
 - Standard Level Mathematical Studies Subject Guide
 - A section of your SOW which covers one of the topics in the SLMS subject guide
 - Any standardised proformas you may use for management of the Project.
 - Laptop if possible with any software you may use in your classrooms.
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Please note: session topics are subject to change based on needs of the group

Friday 15th January

0830 - 0900

Welcome & Introduction

0900 - 1000

Session 1: Introductions and the IB Learner Profile

- Outline structure of the IB diploma programme and group 5 subjects
- How do we foster the IB learner profile and international mindedness in our classrooms?

1000 - 1030

Morning Break

1030 - 1200

Session 2: Ensuring your Teaching Supports External Assessments

- The SLMS guide
- Curriculum specifics
- Examination assessment, sample mark scheme and examiner's reports
- Address the challenges facing teachers of SLMS

1200 - 1300

Lunch

1300 - 1430

Session 3: Collaboration and Sharing of Best Practices

- Develop teaching ideas on each of the SLMS topics
- Carousel of activities

1430 - 1500

Afternoon Break

1500 - 1630

Session 4: Ensuring Your Teaching Supports the Internal Assessment

- Project management and assessment
- Hands on project marking

1630

End of Day 1

Saturday 16th January

0830 - 1000

Session 5: Collaboration and Sharing Best Practices

- Each participant to share teaching ideas from their existing SOW

1000 - 1030

Morning Break

1030 - 1200

Session 6: Resource Material for SLMS

- To share resources materials ideas
- Textbooks
- Websites such as OCC etc
- Utilising the GDC

1200 - 1300

Lunch

1300 - 1430

Session 7: Integrating Technology and Multi media

- An overview of relevant use of technology in teaching SLMS
- Use of specialist software, multimedia and web quests
- Carousel of activities

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| 1430 - 1500 | Afternoon Break |
| 1500 - 1630 | Session 8: Collaboration and Sharing Best Practices <ul style="list-style-type: none"> ▪ How to develop teaching strategies and activities to integrate technology appropriately |
| 1630 | End of Day 2 |
| <u>Sunday 17th January</u> | |
| 0830 - 1000 | Session 9: Strategies for Widening Access to the Diploma and Assessing Students' progress <ul style="list-style-type: none"> ▪ Identify a need for a course companion ▪ Develop a SLMS course companion |
| 1000 - 1030 | Morning Break |
| 1030 - 1200 | Session 10: Optional Session- <ul style="list-style-type: none"> • Different approaches to calculus and trigonometry or any other topic ▪ EE in Mathematics ▪ TOK in mathematics ▪ Question and answer ▪ Creating a more internationally minded classroom ▪ Feedback from session 8 |
| 1200 - 1300 | Lunch |
| 1300 - 1430 | Session 11: Collaboration and Sharing Best Practices <ul style="list-style-type: none"> ▪ Developing teaching strategies for differentiation including ESOL and special needs students ▪ BEM's Beginning, Ends and Middles |
| 1430 - 1500 | Afternoon Break |
| 1500 - 1600 | Session 12: Evaluation of the DP <ul style="list-style-type: none"> ▪ Evaluate the DP ▪ Presentations of session 11 |
| 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.