

## IB ASIA PACIFIC REGIONAL WORKSHOP AGENDA

DP Mathematics SL (Category 2)

Clifton Training Centre, Sydney, Australia

15 - 17 July 2010, Thursday - Saturday

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### Workshop Leader

#### **Jennifer Wathall**

Jennifer Wathall has been a teacher of mathematics for 20 years. She graduated from the University of Sydney, BSC majoring in Mathematics and completed post graduate studies at The University of Hong Kong. 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 21<sup>st</sup> Century Conference hosted by ESF and the Education Bureau in Hong Kong and Shanghai and The Asian Technology Conference in Mathematics, Bangkok in 2008 and in Beijing 2009.

Jennifer has held several positions of responsibility including Numeracy Across the Curriculum 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.

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

- A copy of this Agenda
  - Casio/ Texas Instruments GDC
  - Standard Level Mathematical Subject Guide
  - A section of your SOW which covers one of the topics in the Standard Level subject guide
  - Any standardised proformas you may use for management of the Portfolios.
  - 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

TIME/DAY	DAY 1	DAY 2	DAY 3
8:30 – 10:00	<b>Welcome &amp; Introduction by IB Asia Pacific Representative</b> (30 mins)	<b>Session 5: Topic (Collaboration and Sharing Best Practices)</b> <ul style="list-style-type: none"> <li>▪ Continue with practical portfolio marking</li> <li>▪ Each participant to share teaching ideas from their existing SOW</li> </ul>	<b>Session 9: Topic Strategies for Widening Access to the Diploma and Assessing Students' progress</b> <ul style="list-style-type: none"> <li>▪ Identify a need for a course companion</li> <li>▪ Develop a MSL course companion</li> </ul>
	<b>Session 1: Topic: Introductions and the IB Learner Profile</b> Outline structure of the IB diploma programme and group 5 subjects <ul style="list-style-type: none"> <li>▪ How do we foster the IB learner profile and international mindedness in our classrooms?</li> </ul>		
10:00 – 10:30	<b>Morning Break</b>		
10:30 – 12:00	<b>Session 2: Topic: Ensuring your Teaching Supports External Assessments</b> The SLM guide <ul style="list-style-type: none"> <li>▪ Curriculum specifics</li> <li>▪ Examination assessment, sample mark scheme and examiner's reports</li> <li>▪ Address the challenges facing teachers of MSL</li> </ul>	<b>Session 6: Topic Integrating Technology and Multi media</b> <ul style="list-style-type: none"> <li>• An overview of relevant use of technology in teaching MSL</li> <li>▪ Use of specialist software, multimedia and web quests</li> <li>▪ Carousel of activities</li> </ul>	<b>Session 10: Topic Collaboration and Sharing Best Practices</b> <ul style="list-style-type: none"> <li>▪ Each participant to share teaching ideas from their existing SOW</li> <li>▪ Feedback from session 8</li> </ul>
12:00 – 1:00	<b>Lunch</b>		
1:00 – 2:30	<b>Session 3: Topic Collaboration and Sharing of Best Practices</b> <ul style="list-style-type: none"> <li>▪ Develop teaching ideas on each of the MSL topics</li> <li>▪ Carousel of activities</li> </ul>	<b>Session 7: Topic Optional Possible Combined Session-</b> <ul style="list-style-type: none"> <li>• Different approaches to calculus and trigonometry</li> <li>▪ EE in Mathematics</li> <li>▪ TOK in mathematics</li> <li>▪ Question and answer</li> <li>▪ Creating a more internationally minded classroom</li> <li>▪ Grade Awarding and paper editing</li> <li>▪ OCC practical</li> </ul>	<b>Session 11: Topic : Collaboration and Sharing Best Practices</b> <ul style="list-style-type: none"> <li>▪ Developing teaching strategies for differentiation including ESOL and special needs students</li> <li>▪ BEM's Beginning, Ends and Middles</li> </ul>

<b>2:30 – 3:00</b>	<b>Afternoon Break</b>		
<b>3:00 – 4:30</b>	<b>Session 4:</b> <b>Topic : Ensuring Your Teaching Supports the Internal Assessment.</b> <ul style="list-style-type: none"> <li>▪ Portfolio management and assessment</li> <li>▪ Hands on portfolio marking</li> </ul>	<b>Session 8:</b> <b>Topic Collaboration and Sharing Best Practices-Excursion</b> <ul style="list-style-type: none"> <li>▪ How to develop teaching strategies and activities to enhance the curriculum</li> </ul>	<b>Session 12 (ends at 4:00):</b> <b>Topic : Evaluation of the DP</b> <ul style="list-style-type: none"> <li>▪ Evaluate the DP</li> <li>▪ Presentations of session 11</li> </ul>
<b>4:30</b>	<b>End of the Day</b>		

\* 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.

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