

## IB ASIA PACIFIC REGIONAL WORKSHOP AGENDA

DP Design Technology (Level 1)

New International School of Thailand, Bangkok, Thailand

18 - 20 September 2009, Friday - Sunday

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### Workshop Leader

#### **David Hobman**

David is a graduate of Imperial College and Oxford who is currently teaching Design Technology at the United World College of South East Asia in Singapore. He has over 25 years experience of the IB through writing and teaching a wide range of its programmes including Photographic Science and Electronic Systems and he was the founder member of the steering committee that created DT for the IB diploma programme. He taught the pilot programme at Atlantic College, Wales and he contributed to the development of the syllabus through its revisions. Currently he is an examiner for the written papers and for Extended Essays in DT. He most recently lead the DT workshops in Atlanta, and he has spoken at several IB conferences about the need for technology education. His current interest is the creation of modules in problem-based learning and the completion of his MTeach in International Education.

He will contact workshop participants before September to receive suggestions about additional items to include in the agenda.

Please contact him by email at: [dho@uwcsea.edu.sg](mailto:dho@uwcsea.edu.sg)

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

- This agenda
- Current IB DT syllabus guide (from 2007)
- Teacher Support Material - download from OCC DT home page
- Handbook of procedures for the Diploma Programme, 2008: Group 4 Science - download from OCC DT home page
- Examination and IA feedback for your school
- Examination papers for M2009 IB DT
- DT Extended Essays, Projects, investigations from your school
- On line curriculum centre (OCC) login and password if registered
- A favourite news item related to an area of impact to share with the group (internationalism or DT)
- A favourite classroom activity to share with the group
- Useful Resources to share – texts, URLs, software titles, video titles.
- CDs/DVDs and software to view
- A memory stick and/or a computer

Your questions and issues for discussion

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Please note: session topics are subject to change based on needs of the group

Friday, 18 September

0830 - 0900

**Welcome & Introduction**

0900 - 1000

**Session 1– Introduction to IB Design Technology**

- Personal Introductions
- Your backgrounds and experience of teaching this subject
- What student preparation is essential for IBDT, what courses are taught in your school?
- DT and its place in the IB hexagon (EE, CAS ToK);
- Overview SL/HL requirements (syllabus details and assessment outline);
- Aims and objectives for the course;
- IB Learner Profile
- Your questions and issues (re-shape the agenda)

1000 - 1030

Morning Break

1030 - 1200

**Session 2 – Teaching and Learning Strategies**

- DT essential documents
- Introducing students to DT
- Suitable course timelines
- Sharing different teaching strategies
- International and intercultural awareness;
- Outline of the Syllabus; Core; Additional HL; Choice of Options;
- Combining HL with SL as a strategy

1200 - 1300

Lunch

1300 - 1430

**Session 3 – Assessment components (External)**

- Overview of the **external** assessment components
  - Overview of Paper One and Two – command terms & paper structure
  - *Activity - answering and marking Paper One/Two questions*
  - Subject Reports
- Sharing teaching strategies to prepare for Paper One and Two*

1430 - 1500

Afternoon Break

1500 - 1630

**Session 4 – External assessment continued**

- Choice of option Paper Three
- Specimen paper;
- *Activity - answering and marking Paper Three questions*
- Subject Reports
- *Sharing teaching strategies to prepare for Paper Three*

1630

End of Day 1

Saturday, 19 September

0830 - 1000

**Session 5: Topic (Arial 10, Bold)**

- Practical scheme of work (Gp 4, investigations, project)
- Coursework **investigations** guidance

- Managing the process, the role of the teacher
- Forms for assessment and reporting
- Internal assessment (IA) criteria and aspects
- Teacher support material
- *Activity-assessment of coursework investigations*
- *Sharing examples of investigations and strategies for investigations.*

1000 - 1030

Morning Break

1030 - 1200

**Session 6 – Internal assessment continued**

- Coursework **project**, similarities and differences
- *Activity-sharing of ideas for projects*
- Application of the IA criteria
- *Activity-assessment of projects*
- Development and interpretation of the IA guidelines to achieve an agreed standard

1200 - 1300

Lunch

1300 - 1430

**Session 7 – The project (continued)**

- Teacher guidance and support;
- Sample projects
- Practical work with computers/IT and CAD/CAM

1430 - 1500

Afternoon Break

1500 - 1630

**Session 8 – Resources**

- Locating documents on the OCC
- Using the OCC to post questions and share ideas
- Sharing resources on the OCC
- Investigating other on-line resources
- Bring examples to demonstrate together with lists of printed and electronic material and references for sharing;
- Create a resource list to take away
- School resources;
- *Activity-Online Curriculum Centre*

*Activity-using WIKI's*

1630

End of Day 2

Sunday, 20 September

0830 - 1000

**Session 9 – The Extended Essay**

- Overview of the Extended Essay in DT (2009)
- The importance of the research question
- Managing the process – the role of the supervisor
- The research process (bibliographies, citing research)
- Secondary and primary research
- *Activity- marking Extended Essays*
- *Sharing teaching strategies*
- Applying the assessment criteria, the interview
- Sample essays and marks

1000 - 1030

Morning Break

1030 - 1200	<p><b>Session 10 – Group 4 project</b></p> <ul style="list-style-type: none"> <li>• Comparison of strategies and timings;</li> <li>• Comparing different school's models;</li> <li>• Selecting a topic;</li> <li>• Presenting the results</li> <li>• <i>Activity-a quick Gp 4 investigation</i></li> </ul>
1200 - 1300	Lunch
1300 - 1430	<p><b>Session 11 - International/Intercultural awareness and TOK</b></p> <ul style="list-style-type: none"> <li>• International mindedness (are you?)</li> <li>• DT – local and global</li> <li>• ToK – Ways of knowing, critical thinking, areas of knowledge</li> <li>• ToK – Links with the DT syllabus</li> <li>• <i>Activity-Sharing teaching strategies and sources of inspiration</i></li> <li>▪ Workshop evaluation forms</li> </ul>
1430 - 1500	Afternoon Break
1500 - 1600	<p><b>Session 12 – What do we need?</b></p> <ul style="list-style-type: none"> <li>• Suggestions for the future;</li> <li>• The development of DT</li> <li>• Feedback; evaluation and conclusion</li> <li>• Attendance certificates</li> </ul>
1600	Workshop Closes and Award of Certificates*

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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.