

IB ASIA PACIFIC REGIONAL WORKSHOP AGENDA

DP Physics (Level 3)

Queensland Academy for Science, Mathematics & Technology, Brisbane, Australia
3 – 5 July 2009, Friday - Sunday

Workshop Leader

Steve Udy

Steve has been teaching IB physics for 20 years, the last 16 of these at Li Po Chun United World College of Hong Kong. The physics numbers at LPC each year are typically between 30 and 50 with most of these taking the HL course. Steve has been an examiner for IB for several years and has led numerous IB physics workshops since the mid 1990s. He was a member of both the Group 4 and the physics subject review teams responsible for the previous syllabus.

All participants are requested to bring with them the following:

- a. A copy of this agenda
 - b. Physics Subject Guide and Data Booklet
 - c. I understand that the Queensland Academy hosting this workshop is fully wifi enabled. If possible, please bring a laptop, particularly for use in session 11.
 - d. We will have one computer with digital projector and broadband connection in our workshop room for all sessions. Please bring any digital resources you are willing to share or wish to present – session #9 is dedicated to sharing and presenting participants' resources. I expect many of you will bring laptops and/or external harddrives which you can use to take copies of shared resources.
 - e. A display or digital copy of science TOK resources from your school.
 - f. A summary of your HL and SL programmes for the new syllabus – one hard copy for display
 - g. Copies of your favourite experiments for display or distribution
 - h. Descriptions or materials for your favourite demonstrations
 - i. Details of any other useful resources such as textbooks, software, web sites - if possible please bring a copy of your favourite textbook(s)
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Please note: session topics are subject to change based on needs of the group

Friday, 3 July

0830 - 0900

Welcome & Introduction

0900 - 1000

Session 1: Introductions, overview of workshop, IA

- identify major issues
- review new IA model

1000 - 1030

Morning Break

1030 - 1200

Session 2: Practical programme: the Design criterion

- creating and assessing Design exercises

1200 - 1300

Lunch

1300 - 1430

Session 3: Teaching the core + AHL + Options

- review changes to syllabus
- content, depth and duration of topics

1430 - 1500

Afternoon Break

1500 - 1630

Session 4: Teaching the new topics: #8 Energy, Power + Climate Change & #14 Digital Technology

- when? how long? resources, depth, labs

1630

End of Day 1

Saturday, 4 July

0830 - 1000

Session 5: Practical programme #2

- designing a practical programme
- ICT requirements
- assessment of remaining criteria (besides Design)

1000 - 1030

Morning Break

1030 - 1200

Session 6: Exams

- review Gp 4 external assessment model and exam marking
- script marking practice: May 2007 Timezone 2 HL paper 2

1200 - 1300

Lunch

1300 - 1430

Session 7: Extended Essays

- review new IB requirements
- models for promoting and supervising physics EEs

1430 - 1500

Afternoon Break

1500 - 1630

Session 8: Physics and TOK

- fulfilling TOK aims within physics course

1630

End of Day 2

Sunday, 5 July

0830 - 1000

Session 9: Sharing resources

- opportunity for participants to present own resources
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Page 2000 - 1030

1030 - 1200

Morning Break

Session 10: Group 4 Project – combined session all sciences

- review Gp 4 Project guidelines
- share experiences and identify useful strategies
- identify challenges and brainstorm solutions

1200 - 1300

Lunch

1300 - 1430

Session 11: Web-based resources, OCC, IT in physics



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| 1000 - 1030 | Morning Break |
| 1030 - 1200 | Session 10: Group 4 Project – combined session all sciences <ul style="list-style-type: none"> • review Gp 4 Project guidelines • share experiences and identify useful strategies • identify challenges and brainstorm solutions |
| 1200 - 1300 | Lunch |
| 1300 - 1430 | Session 11: Web-based resources, OCC, IT in physics <ul style="list-style-type: none"> • review of OCC and other web-based resources • explore ways to incorporate IT in physics teaching |
| 1430 - 1500 | Afternoon Break |
| 1500 - 1600 | Session 12: Wrap-up <ul style="list-style-type: none"> • review of workshop and outstanding matters • workshop evaluations |
| 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.