

InThinking Physics Workshop

For Teachers New to the IB Diploma

Berlin, Germany

Friday 8th - Sunday 10th October 2010

Workshop Leader: Chris Hamper

Aims and Objectives

Introduce participants to the DP (incl. the Core & Learner Profile) and allow them to develop their DP subject-specific knowledge.

- How the learner profile effects the way we teach Physics
- Why we shouldn't lose sight of the complete hexagon
- TOK and internationalism

Provide tools to implement the programme in their subject or school.

- How to set up a practical programme
- Sharing methods of delivering the syllabus
- Sharing resources
- What Extended Essay supervision entails

Engage participants in activities, discussion and reflection about the challenges and rewards of implementing the DP.

- What makes IB physics different?

Gain understanding of methods preparing students for IB assessment.

- A comprehensive guide to Internal Assessment and its pitfalls
- How to organise your record keeping
- How to get the level right when assessing student work
- Share ideas about ways to incorporate ICT into the classroom.
- Use of SMARTBOARD
- Using simulations
- Datalogging
- Analysis of data

Agenda

8.30 – 10.00 Introductions to each other and the IB

The IB hexagon and Learner Profile and how they relate to the Physics course

10 :30 – 12 :00 The Subject guide and resources.

Websites, books and the OCC

13:00 – 14.30 Internal Assessment: Introduction to the Criteria

Why do practical work and what skills are we assessing?

14:45 – 16:15 Internal Assessment: Data Collection Processing and Graphing.

Using data loggers, making tables and drawing graphs

8.30 – 10.00 Internal Assessment: Conclusion and Evaluation

Detective and salesman.

10 :30 – 12 :00 Internal Assessment: Design

How to set up a design type practical

13:00 – 14.30 The Exam

How they are marked

14:45 – 16:15 TOK

How to bring TOK into the classroom.

8.30 – 10.00 Extended Essay

How to write a good essay and be a good supervisor.

10 :30 – 12 :00 Gp4 Project and loose ends.

Assessing group work, using simulations