UBC Physics Teacher Workshop – for Science 9/10 and Physics 11/12 teachers
“Hovercraft and LED flashlight”

Date: October 24, 2008 (Pro-D Day)

Time: 9:00am – 3:00pm

Location:
UBC Hennings Building Room 208
6224 Agricultural Road
Vancouver, BC

Cost: $60.00 dollars (Cheque payable to UBC Department of Physics & Astronomy)
Please note: Only teachers who register and pay the fee before workshop date will be guaranteed
supplies to take with them. Registration will be confirmed once the cheque payment has been
received.

Presenter:
Andrzej Kotlicki (Lecturer & Research Associate, Department of Physics & Astronomy)
Chris Waltham (Professor, Department of Physics & Astronomy)

Workshop Description:
The UBC department of Physics and Astronomy will be offering its first professional development
workshop this year on October 24th, 2008. The UBC physics workshops are designed for both
physics teachers and for teachers of all sciences. This workshop will provide you with interesting,
hands-on activities to take back and use immediately with your classes.

Workshop activities will include:
• Building a 6-person hovercraft – You will take this 4’x4’, 18kg hovercraft home
  (We will supply all materials needed to build the hovercraft except for the air source: an
electric leaf-blower or a shop vacuum cleaner with a blow outlet. Please bring your own
  #2 Robertson screwdriver).
• Making a tri-colour LED flashlight which can be used to demonstrate colour mixing.
• Workshop will include discussions on the physics of fluids and colour vision and
  how to bring these topics into the classroom

Audience: Grade 11 and 12 physics teachers, or Grade 9 and 10 science teachers.

Registration information:
To register, please send your name, school, subject, grade, and contact information (email and
phone number) to Theresa Liao, UBC Physics Outreach Program Coordinator
Email: outreach@phas.ubc.ca
Phone: 604-822-3675
Registration Deadline: October 17th, 2008

Cheques (payable to UBC Department of Physics & Astronomy) can be mailed to:
Outreach Coordinator
Department of Physics and Astronomy
6224 Agricultural Road
Vancouver, BC, V6T 1Z1