The University of British Columbia
Faculty of Education

SCED 422/62A (3 credits)
Physical Science Beyond the Textbook

Dates: Saturdays - Jan 17, 24, 31, Feb 7, 14, 21 - 2009
Location: Science World, 1455 Quebec Street
Times: 9:00 am - 4:00 pm (1 hour lunch)
Fee: $483.60

Instructor: David Savory
Community Outreach
Science World
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engaging science

Using resource materials from the Engaging Science program and Science World's facilities, participants will be involved in a range of exciting hands-on activities, methods and resources designed to jump-start the new science curriculum in the B.C. Integrated Resource Package (IRP). Activities are organized into theme-based workshop units with comprehensive handouts. All lessons use easily obtained and inexpensive household-type materials and are complete with background science information.

Registration: This course can be taken for either credit or non-credit. This course assumes knowledge of teaching methodologies and successful completion of assignments requires access to a classroom of students. If you are not a certified teacher please contact the instructor.

Non-credit students: Download and print the registration form. Please send the completed form along with a cheque made payable to UBC to the Office of External Programs.

Credit students: Register for the course using the Student Service Centre (https://ssc.adm.ubc.ca).
Note: Those wanting to register in this course for credit must be admitted to UBC and be eligible to register in the session in which the course is being offered. For information about admission, visit the Teacher Education Office website. Click on *Updating/Recertification Program*.

For more info, please contact Bharani McGregor at the Office of External Programs at (604) 822-8553 or at eplt.educ@ubc.ca

To see a sample activity, please visit the Engaging Science Workshop page at www.engagingscience.org.

SCIENCE WORLD
BRITISH COLUMBIA

Physical Science Beyond the Textbook Course Overview

Saturday, January 17: What is Critical Thinking?
Build giant structures out of newspaper and create a myriad of noisemakers while thinking about what constitutes a critical challenge.

Saturday, January 24: What is Inquiry?
Build circuits and conductivity testers to become an enlightened electrologist. Experiment with homemade tops. Explore the nature of science inquiry.

Saturday, January 31: Can Kids Play and Learn?
Make ice cream. Build the tallest ice cube tower. Drop eggs without breaking them. Make strange flying machines. Experience the relationship between playing and learning.

Saturday, February 7: What is Informal Education?
Create a car made out of vegetables. Power a car with a balloon. Make a tippity tree. Experiment with LEGO. What makes education formal or informal?

Saturday, February 14: How to Teach for Understanding?
What is the difference between slime, snot, silly putty and oobleck? What is density? How do bath bombs work? If you know the answers, what is it you actually understand?

Saturday, February 21: What is Finishing Up?
Participants spend the day sharing ideas for hands-on activities and demonstrations.

The course schedule is subject to change. Participants will be updated in these changes during the first session.