



**The University of British Columbia  
Faculty of Education**

**SCED 421/61A (3 credits)  
(Formerly CUST 416B)  
Life Science Beyond the Textbook**

**Dates:** Saturdays: March 28, April 4, 18, 25, May 2 and 9, 2009  
**Location:** Vancouver Aquarium (In Stanley Park)  
**Times:** 9:00 am - 4:00 pm  
**Fee:** \$483.60

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Using resource materials from the Engaging Science program, the facilities of the Vancouver Aquarium and the natural surroundings of Burrard Inlet, participants will be involved in a range of exciting hands-on activities, methods and resources designed to jump-start the science curriculum in the B.C. Integrated Resource Package (IRP) for elementary years. 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 UBC credit or as non-credit for professional development.*

**Credit students:** Register through the Student Service Centre (<https://ssc.adm.ubc.ca>). This is a 3-credit course.

**Note:** To register for credit you must be admitted to UBC and eligible to register in the session in which the course is being offered. For information about admissions, please visit the Teacher Education Office at [www.teach.educ.ubc.ca/recertification](http://www.teach.educ.ubc.ca/recertification) or call 604-822-5242.

**Non-credit students:** Please request a non-credit application form for SCED 421, by email [eplt.educ@ubc.ca](mailto:eplt.educ@ubc.ca) or call 604-822-2013.

For more information or registration assistance, please contact External Programs & Learning Technologies at 604-822-2013 or [eplt.educ@ubc.ca](mailto:eplt.educ@ubc.ca).

To see a sample activity, please visit the Engaging Science Workshops page at [www.engagingscience.org](http://www.engagingscience.org).



## Life Science Beyond the Textbook: Course Overview

### **Saturday, March 28: Coastal Creatures**

Explore the diversity of the animals and plants that thrive in British Columbia's 25, 725-kilometre coastline by engaging in various hands-on science activities. Learn about the unique underwater ecosystem of the West Coast by focusing on plankton, whales and fish.

### **Saturday, April 4: Not-So-Scary Science**

Using the beach as our classroom, we will learn about local invertebrates and how to be a beach friendly visitor. You will soon discover that you do not need to be a scientist to teach science and will participate in activities that apply the skills used by biologists to develop an understanding of the natural world.

### **Saturday, April 18: Survivor: Outrun, Outgrow, Outlast**

Find out what it means to be "alive". Explore various survival strategies of plants and animals and learn how plants and animals have similar survival needs, but very different survival tactics. Examine survival strategies of salmon by visiting the BC Hydro Salmon Stream Project in Stanley Park.

### **Saturday, April 25: Wild Wetlands**

One quarter of the world's wetlands are found in Canada. Wetlands are special ecosystems and come in all shapes and sizes. You will investigate how animals use these habitats as homes, hotels, restaurants and nurseries.

### **Saturday, May 2: The Human Body: Nose to Toes**

Learn exactly what is happening from your nose to your toes and discover that the human body is an incredible machine. You will explore the unique structures and functions of several body systems and consider what the human body needs to survive in a healthy environment.

### **Saturday, May 9: Presenting and Sharing**

Participants will spend the day engaging, sharing and reflecting on hands-on science activities created by their colleagues. You will leave the course with various educational tools and materials created by the Vancouver Aquarium and Engaging Science as well as additional resources created by the rest of the class so that you can continue to play and engage in hands-on science with your class.

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