

BC SCIENCE INSTITUTE

WORKSHOP SCHEDULE

KEYNOTE: Wade Davis

8:45-9:45 am

10:15 - 11:15 am

Workshop A

Welcome to
BC Science 10
Lionel Sandner
ROOM 1110

Workshop B

Motion - "Zero to sixty
in under 15 hours"
Glen Fatkin
ROOM 1111

Workshop E

Heat Transfer: Teaching Tricks
for the Earth Forces Unit of the
new BC Science 10 Curriculum
Jim Milross
ROOM 2308

Workshop C

New Life Science 10
Curriculum
Karen Naso
ROOM 1108

Workshop J

BC Science Websites: A
Tour From the Webmaster
Josef Martha
ROOM 1109

Workshop M

Digital Microscopy—An
Affordable Teaching Tool
Anna Szymczak
ROOM 2309

11:30 am - 12:30 pm

Workshop D

Chemistry Demos and
Activities for the New
Science 9 & 10 Curriculum
Don Lacy & Chris Toth
THEATRE

Workshop N

Assessment for All
in Your Science Class
Briar Ballou
ROOM 1107

Workshop I

Fun with Motion
Don Mathewson
ROOM 1105

Workshop H

Take Action! on Climate Change:
Teaching Your Students Positive
Solutions Towards the Climate
Change Challenge
Dianna Porter
ROOM 1111

Workshop C

New Life Science 10
Curriculum
Karen Naso
ROOM 1108

Workshop K

Cool Technology Ideas:
Using Probeware
Josef Martha
ROOM 1109

1:30 - 2:30 pm

Workshop D

Chemistry Demos and
Activities for the New
Science 9 & 10 Curriculum
Don Lacy & Chris Toth
THEATRE

Workshop L

Safety, Storage & Online
Chemical Inventory System for
your Chemical Lab
Ahmed Mustafa
ROOM 1108

Workshop G

What the heck are Foldables™
and how do they fit with
Science?
Chris Zarski
ROOM 1110

Workshop F

Provincial Exam—
Update and Overview
Lionel Sandner
ROOM 1111

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McGraw-Hill
Ryerson



Edvantage Press

Workshop A

Welcome to BC Science 10

Lionel Sandner, Edvantage Press, author, BC Science 8, 9 and 10

Two months into implementation is a good time to stop on reflect on how the first unit or two have gone in your class. What will be done differently next time, what can be added or taken away? Join Lionel Sandner as he discusses the various components of the BC Science 10 program and reviews the practical application of the workbook, website and exam bank.
10:15 - 11:15 a.m. - ROOM 1110

Workshop B

Motion - "Zero to sixty in under 15 hours"

Glen Fatkin, author, BC Science 9 and 10, North Surrey SS, Surrey, BC

This session will focus on techniques and methods that can be used to teach the concepts of velocity and acceleration to Science 10 students. Several activities will be demonstrated using, traditional physics lab equipment as well as computer simulations and motion sensors.

10:15 - 11:15 a.m - ROOM 1110

1:30 - 2:30 p.m. - ROOM 1109

Workshop C

New Life Science 10 Curriculum

Karen Naso, author, BC Science 9 and 10, David Thompson SS, Vancouver, BC

In this session we will examine the contents and challenges of the new Life Science 10 Curriculum, and the expectations on the provincial examination. In addition, strategies to promote higher level thinking and increase student engagement will be modeled in this interactive workshop.

10:15 - 11:15 a.m - ROOM 1108

11:30 a.m. - 12:30 p.m. - ROOM 1108

Workshop D

Chemistry Demos and Activites for the New Science 9 & 10 Curriculum

Chris Toth, St. Thomas More Collegiate, Burnaby, BC

Don Lacy, author, BC Science 8, 9 and 10, Stelly's SS, Saanichton, BC

The presentation includes a review of standard demos every teacher should have in their tool kit plus more (including cold light, dust explosion, acid base-indicators, and Geiger counter). Printed handouts describing each demo are available so you can watch and try out later. Tailored specifically to the new Science 9 and 10 BC curriculum.

11:30 a.m. - 12:30 p.m. - THEATRE

1:30 - 2:30 p.m. - THEATRE

Workshop E

Heat Transfer: Teaching Tricks for the Earth Forces Unit of the new BC Science 10 Curriculum

Jim Milross, author, BC Science 9, Fraser Height SS, BC

This high-energy, interactive session is directed both at novice and veteran teachers teaching the new Earth Forces Unit in the BC Science 10 curriculum. The intent is to share some strategies, hands-on "grabbers", and snappy demos that will address the topics in the new course. The focus will be heat transfer in, on, under, and above the Earth's surface, as well as a primer on plate tectonics.

10:15 - 11:15 a.m - ROOM 2308

1:30 - 2:30 p.m. - ROOM 2308

Workshop F

Provincial Exam-Update and Overview

Lionel Sandner, Edvantage Press, author, BC Science 8, 9 and 10

Grade 10 science includes a provincial exam at the end of the course. Join Lionel Sandner as he outlines the guidelines for the new Science 10 provincial exam. Time will be spent analyzing questions and discussing options for supporting the diverse range of learners in your science class.

1:30 - 2:30 p.m. - ROOM 1111

Workshop G

What the heck are Foldables™ and how do they fit with Science?

Chris Zarski, Foldables Consultant

Come and learn what research says and how to teach science for understanding incorporating Foldables™ into your teaching. Using topics and outcomes from the junior and senior high science curriculums, discover how you can integrate these graphic organizers as valuable teaching pieces. How do they help students in their learning, assess their own learning they help students in the learning process, assess their own learning and expand their own personal strategies. Come ready to roll up your sleeves for an action packed, hands on session! The materials you make will be ready to use in the classroom the next day!

1:30 - 2:30 p.m. - ROOM 1110

Workshop H

Take Action! on Climate Change: Teaching Your Students Positive Solutions towards the Climate Change Challenge

Dianna Porter, Sierra Club, BC

Educating youth about climate change (CC) can be challenging. Join the Sierra Club BC in an interactive, hands-on workshop that explores these pedagogical challenges, and introduces practical approaches to overcoming them. Activities from our CC focused Sustainable High Schools Program (Gr. 8-12) will bring the learning to life. You will take home tangible teaching ideas, lesson plans, and other CC teaching goodies.

11:30 a.m. - 12:30 p.m. - ROOM 1111

Workshop I

Fun with Motion

Don Mathewson, Kwantlen University College

The theme of all of my sessions is: learn to love physical science. I present activities, demos and notes to help you understand the principles of physical science and to help you teach the key concepts to your classes. My goal is to help both you and your students enjoy physical science

11:30 a.m. - 12:30 p.m. - ROOM 1105

Workshop J

BC Science Websites: A Tour From the Webmaster

Josef Martha, Edvantage Press

Join Josef Martha, webmaster of BC Science 8-9-10 series websites, for an overview of the online components of the BC Science 10 program. All of the website features, including technology ideas, Home Version eBook, and much more, will be demonstrated and explained.

10:15 - 11:15 a.m. - ROOM 1109

Workshop K

Cool Technology Ideas: Using Probeware

Josef Martha, Edvantage Press

Join Josef Martha, webmaster of the BC Science series websites, as he shares many cool technology lab ideas involving probeware. The latest in Pasco probeware will be demonstrated, emphasizing ease-of-use and convenient set-up for the instructor. Learn how you can use fully-developed probeware experiments found on the BC Science websites to enhance your instruction.

11:30 a.m. - 12:30 p.m. - ROOM 1109

Workshop L

Safety, Storage & Online Chemical Inventory System for your Chemical Lab

Ahmed Mustafa, National Sales Manager, VWR Science Education, for Boreal

Refresh your safety consciousness and review the tenants of basic lab safety, dangerous chemical reactions, storage “best practices” and the regulations that keep you and your students safe. Also, learn about the new online chemical inventory database system to help you keep your chemical storage inventory catalogued, safe and current.

2:30 p.m. - ROOM 1108