

BC Science Institute

October 24, 2008



Speakers



Briar Ballou has been a Science Department Head in North Vancouver for many years. She has taught all levels of Science courses especially Science 10 and Biology 12. In recent years, she has co-authored the BC Science workbooks for the new curriculum. National and international recognition has included being selected as a Biotec Institute teacher leader, receiving a Premier's Certificate of Recognition and a Prime Minister's Award for teaching excellence. Last year, as a member of the Enzymatics, she competed in the Iron Science national finals held in Calgary. When in the classroom, Briar spends her days entertaining biology students with lively demonstrations of collections of body parts from mysterious shopping adventures. Exploring the wonders of new technologies has led to many lessons fun packed with demos, cartoons and even karaoke sessions. When she is let out of her classroom, she is always searching for the unexpected and the unpredictable.



Glen Fatkin has taught Junior Science and Senior Physics at North Surrey Secondary School for the last 25 years. During this time Glen has also been a member of the BC Physics 11/12 IRP development team, the Pan Canadian Science Curriculum, and the provincial post-secondary articulation committee. As well, Glen has been involved in the Physics Provincial Examinations at many different levels. During the last two years, Glen has written units for *BC Science 9*, *BC Science 10*, and Ontario *Investigating Science and Technology 8* textbooks.

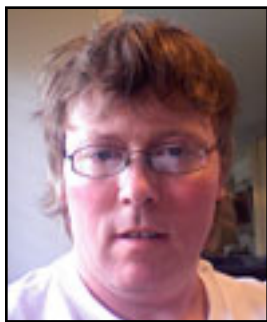


Donald Lacy has been teaching senior chemistry and junior science at Stelly's Secondary School in Saanich for 20 years. He thinks the most important way to connect with students is through lots of labs and demos. He has co-authored successful texts for Alberta and British Columbia and is currently spending a year with Edvantage Press writing for a new series of science texts for Ontario. He hopes you will contact him and let him know how the workshop went for you.



Josef Martha is an educator, author, webmaster and technology integration specialist. Josef formerly taught at Onoway High School in Alberta, and currently serves as Vice President and Director of Technology for Edvantage Press and is the webmaster for the McGraw-Hill Ryerson BC Science series. During his 16 years of teaching in Onoway Josef won several awards, including Outstanding Science Teacher for the province, the Prime Minister's Award for Teaching Excellence and a National Roy C. Hill Award recognizing his efforts at integrating technology into the science classroom.

Josef operates "ScienceMan" (www.ScienceMan.com) a non-profit site aimed at helping science students and teachers use computers effectively. Josef has also contributed as an author to several science textbooks and has constructed many textbook support websites.



Don Mathewson is a physics educator, author and presenter. He taught secondary school for ten years, but has been at Kwantlen Polytechnic since 2000. He has written several physics textbooks and physics units for junior science courses. He presents regularly at science teaching conferences and believes in active learning.



Ahmed Mustafa is the National Sales Manager for VWR Science Education representing Boreal Northwest, Sargent-Welch and Ward's Natural Science. When he is not traveling all over the country, he is in demand as a volunteer firefighter and Nationally Registered Paramedic.



Karen Naso has been teaching at David Thompson Secondary for nineteen years and has taught Junior Science, Biology 11 and 12, AP Biology, and Chemistry. In addition, she has been Science Department Head for 9 years, is the coordinator for Odyssey MiniSchool Program for highly abled students, as well as the AP coordinator. She was a reviewer for *BC Science 8* and authored the *BC Science 9* and *10* Life Science units.



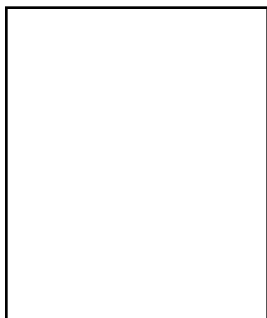
Dianna Porter has grown up on Vancouver Island and has always been passionately committed to the environment. After completing her B.A. in Environmental Studies & Anthropology she went on to complete a B.Ed. She has volunteered her time for various environmental education projects including the International Children's Conference on the Environment (by UNEP) and with Swan Lake Nature Sanctuary's programs. She has worked as a Teacher on Call and Social Studies 10 teacher in the Cowichan Valley for 2 years and has recently taken a leave of absence to work for the Sierra Club BC's (SCBC) Environmental Education Program. Currently, she is pursuing her Masters with Dr. Weaver at the University of Victoria while developing and delivering Climate Change Education Programs for SCBC.



Lionel Sander is currently President of Edvantage Press. He is the lead author for the BC Science series and has worked on various K to 12 Provincial and State science resource programs over the past 10 years. He has taught junior science, senior physics and at the University of Victoria for 14 years. During the mid 1990's he was the Science curriculum coordinator at the BC Ministry of Education where he worked on IRP revisions and was the co-lead for the Pan-Canadian Science Project. From 2001-2004 he was elected to serve as the Canadian Director for the National Science Teachers Association. In 1994 he received the Prime Ministers Award for Teaching Excellence. In his free time he hangs out on hiking trails and beaches with his boys and also tries to get out for a run once in a while.



Anna Szymczak teaches general science and senior Biology at Southridge Senior School in Surrey. Southridge implemented a laptop program that included digital microscopy and Anna has found the moticams to be an easy way to enhance both her lessons and methods of assessment.



Chris Toth has been teaching chemistry for 25 years and serves as Head of Science at St. Thomas More Collegiate in Burnaby. He served on the Advisory Team for each of the three new McGraw-Hill/Edvantage Press BC Science texts and has written and reviewed questions for grades 10 through 12. Chris was the driving force behind ChemEd 2005 in Vancouver and has been recognized five times by the UBC Chemistry Dept. for teaching excellence. He believes that demonstrations and labs form an essential part of teaching and learning science and hopes to share some of each during the session.



Chris Zarski is currently an Assessment/Pedagogical Consultant and Author on secondment to McGraw-Hill Ryerson. Her experience as a teacher, counselor, principal, Program Examiner for Alberta Education and consultant to many school jurisdictions on item writing in mathematics and science, combine for a practical approach to learning and teaching science. Chris believes that education should be active and meaningful for both the student and the teacher. The use of Foldables™ provides both an opportunity to actively engage in learning!