

**1:00 - 1:45 pm Session A: Outreach Experiences To Engage Students**

<b>Classroom 103</b>	<b>Exploring Biodiversity:</b> Learn more about the new Beaty Biodiversity Museum at UBC and how your students can explore its extensive research collection of over two million natural history specimens, including the impressive blue whale skeleton. Educational programs enhance curriculum and provide hands-on experience with real specimens, increasing student's awareness of biodiversity, ecology, and conservation.
<b>Theatre</b>	<b>A First Nation's Perspective on Astronomy:</b> Lisa McIntosh & Trish Pattison from HR MacMillan Space Centre will demonstrate their portable Starlab & program resources with direct connections to Grade 9 curriculum. Delegates will also learn about resources they can access from their classrooms to support learning – including SKYPE technology.
<b>Classroom 101</b>	<b>PomPom Propulsion and Process Skills:</b> David Savory from Science World will lead a workshop demonstrating innovative ways of teaching the concepts of propulsion and motion. Teachers will engage in a wacky hands-on activity and then "assess" their performance using a rubric focusing on process skills.
<b>Library – Front</b>	<b>Waste Watchers – Looking At Plastics In The Ocean:</b> Jennie Kennedy from the Vancouver Aquarium Marine Science Centre will lead a workshop focusing on the effects of plastic waste in the marine ecosystem. Teachers will gain the knowledge & skills to confidently teach current environmental issues related to waste & the ocean. Jennie will also share new resources from the Aquarium including self-directed lesson plans and curriculum-linked programs.

**1:50 - 2:35 pm Session B: Hands-on Resources For The Classroom**

<b>Classroom 104</b>	<b>The Oceans - A Moving Target As Climate Changes:</b> Dr. Eileen Van der Flier-Keller from U Vic Earth and Ocean Sciences will demonstrate instructional strategies relating to the earth's water system, qualities of fresh versus salt water, and how certain aspects of ocean (ie density and salinity) might change as a result of climate change.
<b>Classroom 102</b>	<b>The Nature of Science Card Game:</b> Dr. Joanne Fox from Michael Smith Labs at UBC will demonstrate an interactive card game that encourages students to question what science is & explore attitudes towards science. Delegates will discuss how this resource can be used in their classroom to instill natural curiosity & develop deeper understanding of scientific processes.
<b>Classroom 100</b>	<b>Environmental Education:</b> Sierra Club BC will highlight their education programs that address environment & sustainability topics. Learn about the Sustainable High Schools project; First Nations "Going Wild" program; on-line teaching resources; in-class presentations on ecosystems, climate change, water and stewardship; as well as hands-on activities to engage students.
<b>Library - Front</b>	<b>Catalyst for Science:</b> Grahame Rainey, President of the BC Science Teachers' Association (BCScTA), will demonstrate this new resource website designed to share teacher-reviewed and classroom-tested science resources (lessons, activities and links). The initial project focus includes Science 8-10 topics, which BC science teachers have identified as needing additional support. Delegates will learn how they can play a leadership role by identifying key needs, helping test resources in their classrooms and by contributing their own expertise and resources to the project.

**2:35 - 3:00 pm Coffee & Dessert Break – Networking & Idea Exchange: Front Foyer**

**3:00 - 3:45 pm Session C: Sharing Odyssey Expertise And Resources**

Odyssey Teachers will act as catalysts to share their expertise, demonstrate technology and innovative practices, provide classroom resources and stimulate new ideas to engage students in science. Delegates will discuss how to turn these ideas into action back in the classroom.

<b>Classroom 703</b> (upstairs by gym)	<b>Robotics &amp; Engineering - Sharing Expertise:</b> This workshop will bring together Odyssey teachers to share their ideas on how to expose students to engineering concepts & help develop STEM (science, technology, engineering & math) skills. Dereck Dirom from Yale Secondary will share his expertise and resources from his successful Gearbots Program.
<b>North Science Lab</b> (upstairs by 703)	<b>Digital Probes in the Classroom:</b> Paula Taylor from North Surrey Secondary will demonstrate hands-on activities using digital probes to engage students. This session will cover a range of common probes used in Chemistry and Biology for demonstration purposes, guided inquiry and classroom lab use. Examples of curricular applications will help you get the most out of your probes. Data collection will be made easy as we look at various data logger options available.
<b>Classroom 102</b> (rear area)	<b>Learning with iPads:</b> This workshop will bring together Odyssey teachers using tablet computers in their classrooms to engage students. Justin Moore from AD Rundle Secondary will demonstrate how to use an iPad as an effective teaching tool. Delegates will share their own ideas and brainstorm new ways of using technology in the classroom.
<b>Classroom 100</b>	<b>Innovative Teaching Technologies:</b> Raja Gupta from Summerland Secondary will demonstrate innovative uses for technology in the classroom including classroom responders (clickers) and how to access liveteacher internet to connect with students and support their learning. Delegates will discuss how to use these resources back in their classrooms.
<b>Classroom 103</b>	<b>Exploring Physics:</b> This collaboration workshop will bring together physics teachers to share teaching resources and develop new ideas for exploring physics. Some of the topics will include: Playland accelerometer activities, computer simulations, data analysis, technology-enhanced labs and using web-based teaching resources, ie the physics classroom.
<b>Library - Front</b>	<b>Sustainability Leadership:</b> Steveston-London Secondary will highlight their sustainability initiatives with presentations from student leaders, a sponsor teacher, and a district-teacher consultant. You will have the opportunity to learn: strategies to stimulate critical thinking, methods to generate student-centered sustainability projects, examples of adaptable classroom activities, and success stories from the Richmond School District. There will be time to discuss how to overcome barriers as well as share resources for sustainability.

**3:50 pm Odyssey Workshop Summary in Theatre: Turning Ideas Into Action**