

field research. Participants board the CCGS *Amundsen* where they are integrated into the activities of the various science teams.

This adventure into Arctic research exposes students and teachers to the research objectives and methods of numerous science teams representing a number of research disciplines and institutions from across Canada and beyond. Face-to-face interactions with scientists of all levels (graduate students, researchers, CRC chairs), hands-on experiences in the field and in the labs, and access to state-of-the-art scientific instrumentation, combine to create a powerful learning environment. In addition to hands-on research activities the program introduces participants to many aspects of Canada's North, including local knowledge, culture, history, and politics – within the educational program on the ship and the planned visits to Northern communities.

Building on the success of the 2004 pilot program on-board the CASES project, the 2005 Field Program on board the NGCC *Amundsen*, successfully met its goals of promoting Arctic sciences, increasing awareness of environmental issues related to the Arctic and climate change, and providing new and exciting learning opportunities to this country's next generation of scientists. In addition to the field expedition, Schools on Board promotes Arctic sciences in the classroom through its Network of educators and scientists and its most recent initiative, the Arctic Climate Change Youth Forum.

“Schools on Board!” Bridging Arctic sciences and education

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Schools on Board was created as an Outreach program to CASES (Canadian Arctic Shelf Exchange Study, and NSERC Strategic Project) and ArcticNet (and NCE, National Centre of Excellence). It is a vehicle for Arctic scientists and graduate students to outreach their research program to the general public. The program is designed to support teachers who are interested in including Arctic Sciences into their science programs by providing resources and opportunities to takes high school students and teachers into the Arctic to participate in