



SCIENTIST IN RESIDENCE PROGRAM™

Program Summary

Management Team

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Program Overview

The Scientist in Residence Program's mission is to inspire children with extraordinary science.

The Scientist in Residence Program creates opportunities for elementary teachers and graduate-level scientists to co-create and co-deliver inquiry-based science programs for students in kindergarten through grade seven. Teachers tell us that the program is an innovative way for scientists and the broader community to invest in Vancouver students and support public education.

One scientist collaborates with two teachers at each participating school; expertise from the three professionals creates synergy. Teachers' contributions to the partnership include knowledge of the students, pedagogy and curriculum, while scientists bring specific science knowledge and skills.

The program is flexible to meet the individual needs of participating teachers and their students. Funding (\$1,000 per partnership) is provided for science equipment, supplies and field trips to enrich lesson delivery during the unit. The scientist and teachers plan and develop six hands-on science lessons in the autumn and winter and the lessons are co-delivered to students in the winter or spring. The lessons support the BC Science Curriculum.

The Scientist in Residence Program is intended to enhance the science learning experience of students through hands-on activities and experiments, exploration, discovery, and sharing knowledge both in the classroom and on field trips. Scientists provide mentorship, share their passion for science, and collaborate with teachers to foster age-appropriate inquiry and critical thinking. Opportunities for students to learn scientific methods, design and conduct experiments, record and analyze data, and discuss results of experiments are central to the program.

Scientists and their partner teachers work together to document lesson plans developed during the program. These lesson plans are available from the program's web site for use by teachers, future scientists in residence, and the public, thereby creating legacy.

Program Goals

Engaged students, who...

- Gain new science skills, knowledge and understanding
- Demonstrate positive attitudes about science
- Imagine themselves using science in the future
- Enjoy science and have fun

Equipped teachers, with...

- A repertoire of interesting science activities, experiments, field trips and experiences to offer students
- Science skills and knowledge to support student learning
- Access to science equipment, supplies and field trips
- A sustained enthusiasm for offering their students "extraordinary science"

Website: www.scientistinresidence.ca