



Canadian
Institute
of Actuaries

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des actuaires

Volunteer with the Pacific Institute for the Mathematical Sciences

Empower the mathematical scientists of tomorrow and set educators on the path to future success!

The Pacific Institute for the Mathematical Sciences (PIMS):

Created in 1996, [PIMS](#) has supported a series of educational initiatives and continues to foster educational activities for students ranging from K-12 through the undergraduate and graduate levels. They organize a variety of events each year such as workshops, contests and summer camps to provide mathematical opportunities to a wide audience throughout Western Canada. They also have several programs that they have developed for students at risk, Aboriginal students, teachers and the general population.

Desired area(s) of practice: Any

Time commitment: Varies per initiative: 2 to 6 hours

Experience level: Any

Location: Alberta, British Columbia, Washington State, Saskatchewan, Manitoba (virtual and in-person)

Potential volunteer opportunities:

Program	Description	Date and location
Math Mania events and parent nights	This outreach activity brings students, teachers and parents together with mathematical scientists with the goal of organizing hands-on activities for children and parents where they can both have fun and learn about mathematics.	Several in-person or virtual sessions throughout the academic year
SNAP math fairs	PIMS sponsors these non-traditional student-centered, non-competitive, all-inclusive, and problem-based math fairs based in Alberta. The purpose of a SNAP math fair is to provide a meaningful problem-solving experience for all students.	Alberta (in person) Date TBC
Changing the Culture	This is a yearly one-day meeting organized and sponsored by PIMS, bringing together mathematicians, mathematics educators and school teachers from all levels to work together towards improving the teaching of mathematics.	Virtual one day event TBD

UBC/PIMS math workshops	These workshops in Lower Mainland schools aim to excite grade 6-12 students about mathematics by exposing them to interesting and challenging problems. The workshops are conducted by faculty and student volunteers.	Multiple in-person sessions a year: Vancouver Metropolitan Area TBD
Teacher workshops	Workshops designed to help elementary and secondary school teachers build their math skills for the classroom.	Multiple in-person and virtual workshops TBD
4-week summer camp for elementary school teachers	The aim of this camp is to create teams of teachers at each participating school that could foster a cultural and academic shift with respect to the learning and enjoyment of mathematics.	Four weeks in-person TBD
Math circle for students grades 4 to 7	The goal of these workshops is to convey to students the importance of mathematics in the real world as well as how much fun mathematics can be.	Virtual once a week TBD
Various First Nations/Indigenous outreach initiatives such as: Teacher training/math development sessions	Mathematicians and educators provide lessons for teachers to help them assimilate teaching material for their mathematics courses.	In person TBD

Key benefits of volunteering:

- Gain a deeper understanding of cultural and socio-economic factors affecting First Nations communities.
- Enhance your mentorship and public speaking skills.
- Expand your network connecting with other volunteers.

[Confirm your interest today!](#)