

JULY 22 - AUGUST 9, 2024

ONLINE



Pacific Institute *for the*
Mathematical Sciences

2024 DIVERSITY IN RESEARCH EXPERIENCES ACROSS MATHEMATICS (DREAMS) INSTITUTE

The Diversity in Research Experiences Across Mathematics (DREAMS) Institute is a three-week online summer enrichment program designed to provide high school students in their last year or two of studies an opportunity to explore the pursuit of mathematics at the University level. Participants will be introduced to foundational areas of mathematics by guest lecturers during the first portion of the program and then work on inquiry based projects with the support of the lecturers and graduate student teaching assistants.

One of the DREAMS Institute's primary goals is to help students envision a career in mathematics or STEM more broadly. We recognize that STEM fields continue to not represent the racial and gender diversity of Canadian society and we are committed to supporting students with minoritized identities in this program as they prepare to begin their University education. We strongly encourage students from underrepresented groups to apply to this program.



**Mathematics of
Puzzles**

JORDAN KOSTIUK
Brown University



**Introduction to
Number Theory**

ALICIA LAMARCHE
University of Utah



Physics

DELILAH GATES
Princeton University



Geometry

STEFAN MENDEZ-DIEZ
Bard College

No cost to participate in the DREAMS Institute program | Students in last two years of high school with a strong mathematics background are eligible to apply | [Apply online](#)



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