

1023-97-1178      **Mira Bernstein\*** ([mira@palmer.wellesley.edu](mailto:mira@palmer.wellesley.edu)), Department of Mathematics, Wellesley College, 106 Central Street, Wellesley, MA 02481. *Canada/USA Mathcamp: a summer math program for talented high-school students.*

The US is fortunate to have more than a dozen summer programs for mathematically talented high-school students. The programs vary in length, structure, content, and philosophy, but they share several common goals: to provide students with the resources and mentorship that many of them cannot obtain locally; to expose them to the beauty and power of real mathematics; and to foster a community of like-minded peers which is so sorely missing in many bright students' lives.

Canada/USA Mathcamp is one of the largest of these summer programs, bringing together more than 100 students from the US, Canada, and around the world. In my presentation, I will talk about some of the particulars of the program as it has developed over the last decade. More generally, I will argue for the importance of residential summer math programs, as a complement to math circles and other mathematical activities available to students during the year. (Received September 25, 2006)