MIT PRIMES is a free, year-long after-school research program for high school students, offering projects in mathematics, computer science, and physical and computational biology. This is the only program in the United States that gives students an opportunity to pursue serious research in a university setting at a natural pace, over the period of one year, under the guidance of academic mentors.

- In 2011-2015, 137 research projects completed by PRIMES students;
- All projects presented at five annual PRIMES conferences;
- 44 students invited to present at the MAA Undergraduate Student Poster Session of the Joint Mathematics Meetings in 2012-2015, and 11 received an Outstanding Presentation award;
- 1st Prize at the Intel International Science and Engineering Fair;
- 1st Prize ($100,000 scholarship), 2nd Prize (three awards; $50,000 scholarship), 5th Prize (two awards; $20,000), 26 regional finalist awards, and 36 semifinalist awards in the Siemens Competition in Math, Science & Technology;
- 1st Place ($150,000), 2nd Place ($75,000), and 3rd Place Medals of Distinction for Basic Research ($35,000), 3rd Prize ($50,000), 4th Prize ($40,000), 10th Prize ($20,000), 11 national finalist awards, and 37 national semifinalist awards in Intel Science Talent Search;
- Three Davidson Fellow Laureates ($50,000) and four Davidson fellows ($25,000 & $10,000).
Currently 44 local PRIMES students are working on individual and group research projects and studying in reading groups in mathematics, computer science, and physical and computational biology. PRIMES-USA, a distance-mentoring research section for out-of-state students, has expanded to 17 students. We have established partnerships with Stanford University, the University of Michigan, the University of Illinois at Chicago, SUNY at Stony Brook, CUNY – City College, and MathWorks, which provide projects for seven PRIMES-USA students. PRIMES Circle, a math enrichment section for students with disadvantaged backgrounds from local urban public high schools, has 14 students (72% female; 21% African-American; 7% Hispanic). The total number of students has reached 75, including 21 girls.

PRIMES Circle student making an expository presentation at MIT, December 2013

SPONSORS

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