MIT PRIMES is a free, year-long after-school research program for high school students, offering projects in mathematics, computer science, 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 2011-2019, 334 research projects completed by PRIMES students;
- All projects presented at nine annual PRIMES conferences;
- 25 students received Outstanding Presentation awards at MAA Undergraduate Student Poster sessions of Joint Mathematics Meetings;
- 1st, two 2nd, two 3rd, and two 4th Grand Awards at Regeneron/Intel ISEF;
- 1st Prize ($100K scholarship), four 2nd Prizes ($50K), two 4th Prizes ($30K), two 5th Prizes ($20K), 2 national finalists ($25K), 28 regional finalists, and 57 semifinalists at Siemens Competition;
- 1st Place ($150K), three 2nd Places ($75K/$175K), two 3rd Places ($35K/$50K), two 4th Places ($40K/$100K), 6th Place ($80K), two 7th Places ($70K), 9th Place ($50K), 10th Place ($20K), 16 national finalists, and 78 national semifinalists/scholars at Intel/Regeneron Science Talent Search;
- 4 Davidson Fellow Laureates ($50K), 10 Davidson fellows ($25K/10K), and 6 honorary mentions;
- 6 USA finalists and Global Award winners and 8 USA semifinalists at Yao Science Award.
Currently 51 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 41 students. We have established partnerships with Brandeis University, CUNY – City College, Harvard Medical School, Iowa State, NYU, Tufts, University of Cambridge (UK), University of Illinois at Chicago, University of Michigan, UMass Amherst, UMass Lowell, and MathWorks, which provide projects for several PRIMES students. PRIMES Circle, a math enrichment section for students with disadvantaged backgrounds from local high schools, has 19 students. The total number of students has reached 111, including 27 girls.

PRIMES Circle students making an expository presentation at MIT, May 2017

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