



In 2015, Dr. Adrian Mims Sr. launched The Calculus Project and Leadership Academy (TCPLA) on the campus of Boston University in partnership with the BU School of Education. In 2017, the BU School of Engineering became the lead partner providing students with hands-on experiential learning opportunities to see how mathematics is applied in society. TCPLA also includes the following activities:

- 1) **Summer Mathematics Preview:** The cornerstone of the project is an intensive Summer Mathematics Preview course, beginning in the first summer with algebra for rising eighth graders and culminating with AP Calculus in the fifth summer for rising seniors that is designed to prepare students for the high-level course they will take at their home school in the fall.
- 2) **Saturday Leadership Academy:** Monthly Saturday Leadership Academy classes bring each cohort together throughout the school year. These sessions will include math instruction and will also focus on building community and confidence in academic success through our Pride Curriculum that features seminars with successful professionals of color in STEM fields.
- 3) **College Preparation:** A five-summer “residency” on a college campus studying in the classrooms, eating in the dining halls, interacting with faculty and students will help Calculus Project students become comfortable in a university setting and envision their own college education. During the eighth and ninth grade, students will register with the College Board and take the PSAT 8/9 test. Throughout the school year, students will work on challenging math topics to prepare them for MCAS, the PSAT and SAT. The fifth-year summer session will conclude with AP Calculus.
- 4) **Teacher Training:** The project offers paid peer-teaching opportunities to the top 11th and 12th graders in the program. To demonstrate and measure the math proficiency they have achieved during the program, these students will take the Massachusetts Test for Educator Licensure Examination (MTEL) in Middle and High School Mathematics.