Maximizing youth potential for STEM success since 1976

CONTACT US

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Nearly 100% of DAPCEP students graduate from high school

WE SERVE 11,000 students per year

50% female 50% male

68,000 ALUMNI AND COUNTING... 68% of DAPCEP alumni choose careers in STEM

DETROIT AREA PRE-COLLEGE ENGINEERING PROGRAM

www.dapcep.org
TO INCREASE THE NUMBER OF HISTORICALLY UNDERREPRESENTED STUDENTS WHO ARE MOTIVATED AND PREPARED TO PURSUE SCIENCE TECHNOLOGY ENGINEERING AND MATH (STEM) FUTURES.

MISSION
To increase the number of historically underrepresented students who are motivated and prepared to pursue Science Technology Engineering and Math (STEM) futures.

IMPACT
DAPCEP serves 11,000 preK-12th grade youth throughout Southeast Michigan and Illinois annually, thanks to the generous support of area colleges and universities, dozens of corporate partners and hundreds of volunteers.

WHO WE ARE
Detroit Area Pre-College Engineering Program (DAPCEP) was established in 1976 as a Michigan educational non-profit (501c3) organization.

TAKE A STEM CLASS

Explorers Saturday Series: During the Fall and Spring semesters, preK through 3rd graders explore topics including astronomy, biology, earth science, natural science, and technology.

Pathfinders Saturday Series: During the Fall and Spring semesters, 4th through 12th graders take part in courses including artificial intelligence, chemistry, computer science, digital tech, engineering, mathematics, physics, renewable energy, robotics, SAT Prep and more.

Summer Camps: Students either live and learn on campus for two to four weeks in Summer Residency or commute Monday through Friday for camp. 3rd through 12th graders engage in unique outdoor STEM experiences such as Drone Certification.

In-School Curriculum (DISC): Also known as "DAPCEP In-School Program," DISC focuses on advanced STEM and project-based learning during weekday, in-school hours.

Pop-Up STEM Program: Brings 3-hour workshops led by trained facilitators to schools and organizations throughout metro-Detroit.

Multi-Year Engagement Programs: In a cohort model, multi-year programs engage students in two consecutive years of targeted activities that include Saturday courses, immersive experiences, and summer courses.

Talent Tours & Bridge Program: Introduces youth to available career paths in STEM fields. High schoolers visit professional STEM conferences and take part in college tours.

STEM DAY
An annual large-scale event where thousands of students from more than 20 area schools attend a day of interactive panels and hands-on workshops led by local and national STEM corporate volunteers.

REAL MCCOY AWARDS
Named after famed inventor and Detroiter Elijah McCoy, this annual event honors distinguished professionals and youth who have demonstrated excellence in STEM throughout the year.

ASK THE EXPERTS
DAPCEP students and parents ask STEM professionals about their career experiences. This initiative is designed to introduce students and parents to the realities of various corporate cultures.

PATHWAYS TO SUCCESS
Engages 11th and 12th grade students in a series of single-focus STEM courses, internships, and mentoring experiences over 18 months.

AFRICAN AMERICAN AND WOMEN LEADERS IN STEM SERIES
Introduces DAPCEP students to executive leaders at STEM corporations and businesses in a virtual panel.