



M.E.T.S. CHARTER SCHOOL

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PRESS RELEASE

Math and Science in Action

Engineering Mustangs Are Learning and Winning!

M.E.T.S. Charter School Students Display Engineering Skills at Panasonic CDC Robotics Challenge

The M.E.T.S. Charter School Robotics Team won in the first round and is moving to the finals competition of the 2017 Panasonic Creative Design Challenge on Tuesday, April 27th at NJIT. Congratulations and good luck to the students! A team of highly-trained Robotics Club students participated in the first round of Panasonic's Creative Design Challenge (CDC) at the New Jersey Institute for Technology (NJIT) on February 1st. Sophomores Marti Salazar, Daniel San Miguel and Justin Alcantara were the Mustangs who matched wits against 40 public and private high schools from around the state. Panasonic's CDC is a premier science and technology competition for high school students.

This year's challenge is the "Tesla Pana" factory challenge. The challenge will require teams to apply a wide range of mechanical engineering, electrical engineering, and mathematical skills to win. The goal of the competition is to build a working robot that will navigate on a platform to collect and assemble parts of a Tesla Model 3 electric car. The car assembly line moves too... powered by an Arduino microcontroller along a set of elevated rails. Students worked in teams of three with specific roles and responsibilities.

Mustangs Represent at FIRST Tech Challenge!

The first-round FIRST Tech Challenge 2016-2017 game was, Velocity Vortex. FIRST Tech Challenge is a head-to-head, competitive, middle and high school robotics program. The M.E.T.S. Mechanical Mayhem (6110) team consists of 8 student members from our middle school and high schools. The main goal of Velocity Vortex is to score small wiffle balls (called "particles") in various areas of the playing field. In a match, a team consists of two driver-operators, a coach and a robot. The robot must be built from material specified in the game manual and fit within an 18-inch cube. After the match starts, the robot may expand. Each match is played with four randomly selected teams, two per alliance. Any points earned are for an alliance, not for the individual team. M.E.T.S. up-and-coming Robotics Team Mechanical Mayhem ranking is 95th out of 121 qualified teams from around the state of New Jersey.

Mustangs Excel at FDU's Technical Enrichment and Outreach Program (TEOP)

On February 11, 2017, a group of M.E.T.S. Charter School Mustangs started the Technical Enrichment and Outreach Program (TEOP) at Fairleigh Dickinson University, an enrichment program that promotes computer science, engineering, mathematics and engineering technology. Our students are studying engineering principles, scientific concepts and math applications. TEOP brings upper-level high school students to the School of Computer Science and Engineering at the Metropolitan Campus for 10 Saturdays per semester for technical instruction and hands-on laboratory work under the direction of University faculty, staff and graduate students.

Mustangs who attend and successfully complete the program and are accepted to Fairleigh Dickinson University's Engineering, Computer Science, Engineering Technologies and Information Technology programs at The Gildart Haase School of Computer Sciences, and will receive TEOP scholarships up to \$10,000 annually for 4 years.

About Our School

M.E.T.S. Charter School is an Early College STEM Themed Public Charter School for grades 6th through 12th. Our focus is Mathematics, Engineering, Technology and Science. Since 2011, M.E.T.S. has grown to 6 through 12 grades with 560 scholars. Our goal is to provide our scholars with competitive academic programs, in a nurturing environment that instills foundation skills and character attributes necessary for the development of educated, to become successful and responsible adults. Learn more at www.metscharterschool.org or find us on social media.

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