

AMERICAN SENIOR HIGH SCHOOL
ENGINEERING ACADEMY FOR STUDENT EXCELLENCE



ENGINEERING ACADEMY NEWSLETTER

AMERICAN SENIOR HIGH SCHOOL



SCHEDULE:

VEX Robot and Drone Exhibition - 11/13
College Tour - 1/12
SECME Olympiad - 1/29
UM Society of Women Engineers - 2/23
FIU Engineering Gala - 2/25
FIRST Robotics Competition - 3/9 to 3/12
ASPEN Challenge - 4/21

ENGINEERING ACADEMY TOURS FAU CAMPUS

The Patriots toured the Florida Atlantic University Boca Raton Campus and gain an experience like no other. The tour chaperoned by Mr. Cox and Mr. Khan began with an inside look into the Engineering and Computer Science building. We were able to view the research laboratory, as well



as speak to advisors and undergraduates answering questions from academy students. Seeing the newly built lab within the building with equipment such as 3D printers, power tools, laser cutters, and soldering equipment was the highlight of the tour. The students dined at the FAU dining hall, spoke with an admission officer, and visited former SECME Club President Aalesha Chisholm Green.

VEX VR COMPETITION 3RD PLACE VICTORY

Leandra Belizaire, Shon Barthell, and Jordan Molina Members of the SECME Club and Engineering Academy won third place in the VEX Robotics Virtual Programming Challenge High School Division. The challenge required them to use text code to program a robot virtually and complete the impromptu challenge given to them within 45 minutes.

September 25, 2021

**M-DCPS VEX Robotics Virtual
Programming Challenge #2**

3rd Place

**High/Middle School (Text Code) Division
American Senior High**



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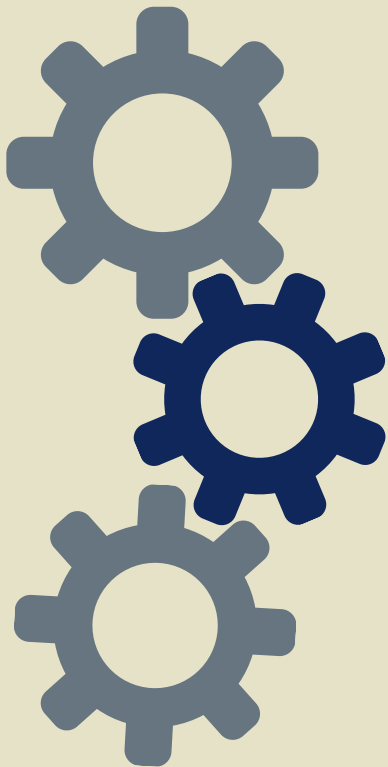
FIRST ROBOTICS TEAM RETURNS



Raytheon
Technologies



After six years away from the arena, American Senior High's Mighty Patriots have returned to compete in the 2022 FIRST Robotics Competition. Thanks to the benevolent generosity of Raytheon Technologies' sponsorship and support for NAF Engineering programs, the students of the Mighty Patriots will hone their skills against some of the brightest young minds in the world. The mission of FIRST® is to inspire young people to be science and technology leaders and innovators, by engaging them in exciting mentor-based programs that build science engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership. The Mighty patriots will be competing in the Orlando Regional during March 9-12. Any students who wish to join this venture should contact a team member.



ENGINEERING ACADEMY INVITED TO PARTICIPATE IN THE 2022 ASPEN CHALLENGE

The Aspen Challenge builds future generations of engaged and equitable leaders by providing tools and a platform for young people to play critical roles in identifying, designing, and implementing solutions to their community's biggest needs. During the 2021-2022 year the ASPEN Institute has chosen Miami as a host city and approximately 20 schools were selected. After a competitive application process American Senior High was invited to participate, under the direction of Mr. Cox and Mr. Khan. Eight students will be selected to represent the entire student population, and they will work collectively to create a solution to a social challenge. The students will pit their talents against teams throughout Miami for scholarships and a chance to be invited to the national meeting June 2022 in Aspen, Colorado.

WELCOME NEW ENGINEERING ACADEMY TEACHER!

MR. KHAN
AMERICAN SENIOR HIGH SCHOOL ALUMNI

It is an honor for the Patriot Family to welcome Mr. Usman Khan back to his alma mater as an instructor. After graduating from American in 2009, he attended FIU and majored in Physics and Biology. It brings us great joy to have him work alongside the teachers who inspired him to pursue a career in science. We hope his students will use the knowledge he gained to become our future engineers and scientist.