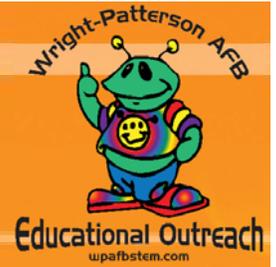




WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

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October 2019

K-12 STEM ENQUIRER

Fall Job Shadow Day

The Fall Job Shadow Day took place on Friday, 11 October. 191 students from 30 local high schools spent their day at Wright-Patterson AFB, shadowing 71 mentors and co-mentors. Some of the career fields included Accounting, Aerospace Engineering, Electrical Engineering, Mechanical Engineering, Air Traffic Controller, Orthopedics, and Security Forces. Job Shadow students are high school juniors and seniors who are interested in STEM career fields.

The next shadow day will be in the spring. The date will be posted as soon as it's confirmed. Check back for more information at:
http://wpafbstem.com/pages/k12_jobShadow.html

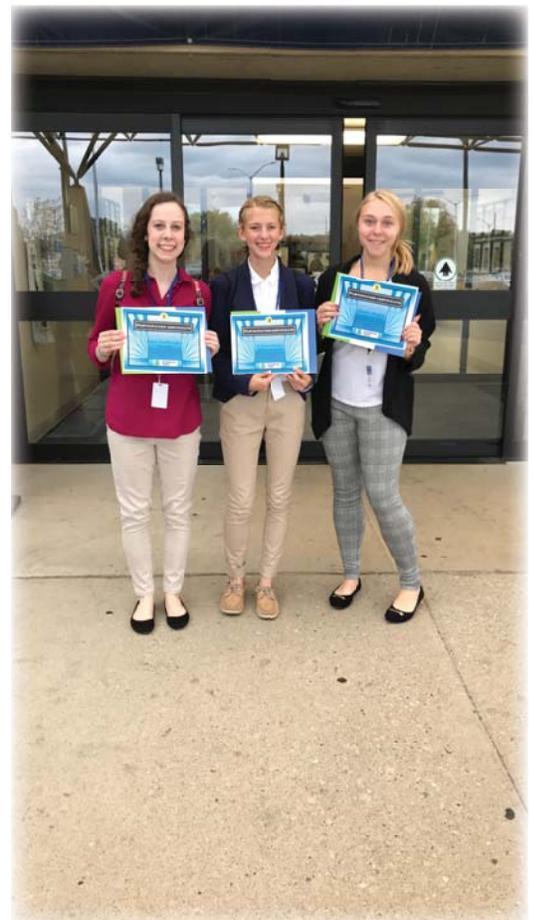
In This Issue...

	Pg.
Job Shadow Day	1
FRC Off- Season	2
AF STEM workshop	2



...Join Us Next Month

- Dayton Reg STEM Festival
- Night at the Museum
- Career Adventure

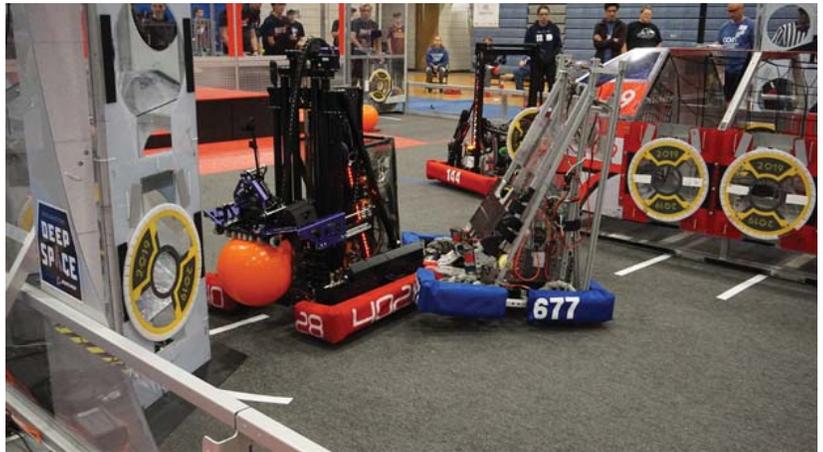




FIRST® Robotics Competition

October was a busy month for Ohio *FIRST*® Robotics Competition Teams. First, on 13 Oct, 26 teams from OH, PA, IN, KY, and IL converged at Worthington Kilbourne High School in Columbus to compete in the *FIRST*® Robotics Competition's 2019 game “Deep Space.” This year, teams of high school age students built industrial sized robots, up to 120 lbs, that could pick up and move both round gym type balls and flat plastic panels around the field, place them on rocket ships up to 7’ tall, and end the game by climbing onto a 2’ high platform. The competition was fierce as the final bracket went into double tie-breaker play. Three teams made up the winning alliance: Short Circuit from Marysville, OH, Trojonators from PA, and Lakota Robotics from Lakota, OH.

Next, 15 teams opened a brand new off-season venue in Cleveland, OH on October 26th: the Curiosity Open was held at the Great Lakes Science Center. This was the perfect opportunity for the competing teams to train new drivers, provide students new to the program with experience in the tournament setting and schedule, and most importantly build excitement for next season!



Right now teams from all around the state are working on training new students in tool use, CAD, programming, and all the other skills needed for the new season. The official 2020 build season will begin with the release of the new game “Infinite Recharge” at 10:30 am on Jan 4th. If you are interested in helping with a team or with the competitions in late Feb-March, please contact the Educational Outreach office!



Air Force K-12 STEM Workshop

20 Air Force K-12 STEM leads met in Annapolis, MD, to learn best practices from the Naval Academy STEM Center. The two-day workshop provided AF practitioners hands-on activity experience, program guidance, and a chance to meet other AF STEM leads to learn and to discuss challenges. These experiences will allow AF STEM leads to go back to their individual AF bases with cool knowledge to share with their local community!



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