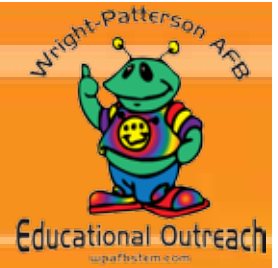




# WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

August 2019

**Daniel J. Andrews**  
WPAFB K-12 STEM Coordinator  
Engineering and Technical  
Management Directorate, AFRL/EN  
2261 Monahan Way, Bldg. 196  
Wright-Patterson AFB, OH 45433  
daniel.andrews.1@us.af.mil

## K-12 STEM ENQUIRER

### WOW! Back to School!

As the new school year begins, let the Wizards of Wright help bring more STEM into your classroom! The WOW! website has been updated with even more information and options for teachers.

**Flight #1:** When teachers look for demos to request from our *WOW! in the Classroom* flight, they'll not only see an updated summary but a list of activities included in the lesson AND the Ohio standards to which this demo connects. Our Wizards can be scheduled to present these demos to students, with no cost, within 35 miles of WPAFB.

**Flight #2:** When looking for things to borrow through the *WOW! on Wheels* flight, teachers will see that items are placed into new categories. Teachers can borrow Demo/Wizard kits, with the WOW! lesson or STEM Labs that include suggested activities either written by the manufacturer or designed by teachers and WOW! staff.

Teachers can borrow things like beakers, globes, and microscopes in our Materials and Equipment section. Makey-Makeys, Moss Robots, and Elemental Blocks are also available in the Educational Activities section. There are hundreds of items that can help enhance lessons – and all can be borrowed for no cost to teachers in the Dayton area. WOW! on Wheels delivers to teachers within 35 miles of WPAFB.

**Flight #3:** *WOW! TV* has added new videos so teachers can see what our classroom demos will involve. Watch the video to make sure that the Wizard demo is appropriate for your students or use the video before requesting it through WOW! on Wheels and preparing to present it on your own.

**Flight #4:** *WOW! DIY* brings you information sheets and videos for students and families interested in STEM activities at home.

Please check us out and submit all requests through our website.  
<http://wpafbstem.com/>

With questions, or for more information, contact Angel Callahan at 937-938-4868 or [antoinette.callahan.ctr@us.af.mil](mailto:antoinette.callahan.ctr@us.af.mil)

### In This Issue...

	Pg.
WOW! Back to School!	1
STARBASE Back to School	2
LEGACY Legacies	2
FIRST® LEGO League Kickoff	3



### ...Join Us Next Month

- FIRST® Tech Challenge Kickoff
- LEGACY Overview
- WOW! DIY



## STARBASE Back to School

STARBASE Wright-Patt will be spending the first 5 weeks of the new school year with Beavertown Elementary from Kettering City Schools and Spinning Hills Middle School from Mad River Local Schools. We will be enjoying many new activities covering a variety of objectives and standards, including Newton's Laws of Motion, chemistry, website design, and the Engineering Design Process. Looks to be a fun year!



## LEGACY Legacies

Leadership Experience Growing Apprenticeships Committed to Youth (LEGACY) is an Air Force sponsored STEM camp and internship program. This summer, we had a record number of siblings participate in both internships and camps. Many older students share the excitement of the program with their younger siblings and encourage them to apply. Below are great examples of some of these sibling duos! Special thanks to the Millenders, Cotys, and Feilles for showing their LEGACY smiles.







# FIRST® LEGO League Kickoff

The 2019-2020 FIRST® LEGO League CITY SHAPER season has begun! Ohio kicked off the season on August 3<sup>rd</sup> at Sinclair Community College with space provided by the College's Design Build Department. Teams and families from the Dayton, Cincinnati, and Columbus areas came to learn about the goals and expectations of the new season. Architects from AIA Dayton joined us to present on their topics of expertise and to inspire kids as they embark on solving problems relating to buildings and public spaces this year. Teams also had the opportunity to practice teamwork skills and learn about the CITY SHAPER robot game challenge. We are especially grateful for the volunteer support from Richard Storricks (Ohio's Head Referee), AIA Dayton & Levin Porter Architects, and these FIRST teams: 3311 Innovators FTC, 5029 Power Stackers FTC, 5811 BONDS FRC, and 2616 BinaryMcBrickBots FLL. It was an exciting start to the new season!



<https://www.facebook.com/wrightpatteo>



[wpafbstem.com](http://wpafbstem.com)



<https://twitter.com/wpafbeo>