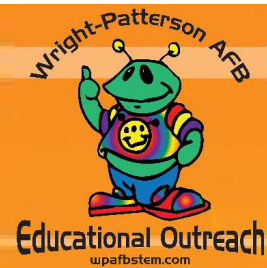




WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

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K-12 STEM ENQUIRER

WOW! Relaunch

The Educational Outreach Office began this school year by relaunching the *Wizards of Wright!* program. The Wizards of Wright (WOW!) is a K-12 STEM program beginning its 26th year of providing STEM to students in the Miami Valley area. As we enter this new era, we are excited to introduce a new logo and we invite you to explore the 4 Flights of the WOW! program.

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Flight #1: WOW! in the Classroom. This is the traditional WOW! teachers know and have come to love! WOW! in the Classroom works with WPAFB subject-matter experts and arranges visits to Dayton area classrooms for the presentation of demonstrations and hands-on activities. WOW! in the Classroom goals include helping teachers meet STEM objectives in their curriculum, as well as introducing students to Air Force personnel and exciting STEM career ideas.

Flight #2: WOW! on Wheels. All area teachers can now borrow the materials they need for their own lessons and demonstrations. WOW! on Wheels offers things like beakers, graduated cylinders, microscopes, wind tunnels, telescopes, demo kits and so much more. What makes it especially easy for teachers is that WOW! on Wheels delivers to them.

Flight #3: WOW! TV. The future of WOW! is WOW! TV. WOW! will offer many of our demos on video as instructional tools for teacher and volunteers. Teachers can use the videos as they decide what demo to schedule. Teachers and volunteers can also use them to learn how to run the demo themselves.

Flight #4: WOW! DIY. The WOW! website will host activity sheets and videos for quick do-it-yourself activities that students and parents can download and do at home.

Participation in all of the WOW! Flights is *Free* for all area teachers.

Teachers that are looking for more information about the WOW! program and want to read about the demos and materials that are available, are ready to schedule a WOW! in the Classroom visit or a WOW! on Wheels delivery should visit our website:

<http://wpafbstem.com>

If you have questions or would like to have a WOW! representative speak to your staff, please contact the WOW! Program Manager.

Angel Callahan at 937-938-4868
antoINETte.callahan.ctr@us.af.mil



...Join Us Next Month

- FLL Tournament schedule
- FRC - CORI



STARBASE instructors have been working hard this summer to implement a brand new curriculum for students this year! While always hands-on and fun, we are looking forward to a bigger push towards the technology portion of STEM, with activities involving coding Evos and Spheros, among others. Other areas improved in the new curriculum include more math activities, problem solving, and inquiry.

Fifth graders from Dixie MS in New Lebanon were our first group to test out the new Day 1 and 2 activities and the reactions were positive to say the least! One student was overheard saying, "Man, this whole day was so much fun, it was like recess!" We are always proud when we can reach out and get students excited about learning. Other participants for our first session will come from from Kettering, Huber Heights, and Beavercreek. We hope the reaction will be as great!



WRIGHT-PATTERSON AIR FORCE BASE

Job Shadow Day Program

EDUCATIONAL OUTREACH

Our next Job Shadow Day for high school juniors and seniors is coming up on **Friday, 26 October 2018**. Please contact Kim Stultz for more information (Kimberly.Stultz.ctr@us.af.mil) or visit the following web page http://wpafbstem.com/pages/k12_jobShadow.html.



FIRST® LEGO® League

The WPAFB Educational Outreach Office partnered with the National Museum of the United States Air Force (NMUSAF) to kick-off the 2018-2019 *FIRST*® LEGO® League INTO ORBIT season! Hundreds of children and their coaches joined us to learn about the robot game rules, the project guidelines, and the *FIRST* Core Values. The Space Gallery was an ideal location for this kick-off event; this season has teams researching and solving problems humans face as they explore or live in space for a duration of one year or more. With support from NMUSAF Volunteers, Richard Storrick (Ohio *FIRST* LEGO League's Head Referee), the Power Stackers FTC team, Ankeney Robotics Club, and the BinaryMcBrickBots, this kickoff event was a big success!



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