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K-12 STEM ENQUIRER

WOW! Teacher Workshop

We were so excited to host our teacher workshops this summer, after not being able to gather in-person during the summer of 2020. The WOW! program partnered again with the Southwestern Ohio Instructional Technology Association (SOITA), and due to interest 3 separate sessions were offered in June and July. Teachers from over 25 different districts around the area took part in the workshops.

During the workshops, participants learned new ways to incorporate STEM into their classrooms. Using materials provided by the WPAFB Educational Outreach office, teachers constructed Squishy Circuits, Homemade Light Bulbs, Paper Circuits, and Robot Sewable Circuits.



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WOW
WIZARDS of WRIGHT



...Join Us Next
Month

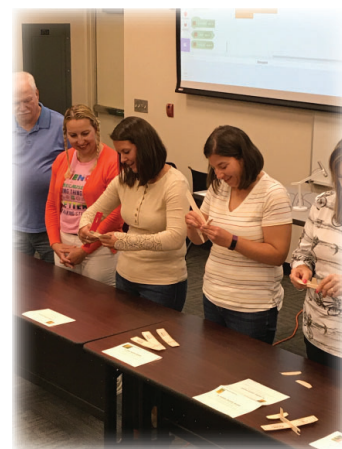
The WOW! available resources were discussed while diving into many of the lessons offered. Teachers built Bridges, used UV Beads to make their own sensors, designed roller coasters, worked as an assembly line putting gliders together, constructed robots out of Cubelets, and created prototypes for WOW!'s Design Thinking challenges. Everything the teachers did is exactly what students do during WOW! lessons.

We are already looking forward to next year's Teacher Workshops!

Please check out the website to schedule lessons for your students.
<http://wpafbstem.com/>

If you have questions or would like more information you can contact our program manager at 937-938-4868.

- LEGACY
- STARBASE



FIRST® LEGO® League Coach Workshops

With great excitement, we are kicking off the new FIRST LEGO League season with a series of Coach Workshops and a remote kickoff event. Designed for new coaches, the workshops will include sessions on leading practices, planning for events, developing robot game strategies, programming basics, and more. To best facilitate the needs of our coaches, we are offering an in-person session as well as two remote sessions.

If you're curious about FIRST LEGO League Challenge, please join us on Zoom as we kickoff the 2021-2022 Cargo Connect season on August 17! Our kickoff will begin at 5:30 PM with some seasonal updates from Brenda Ronnebaum, the Ohio Program Delivery Partner, and then with a deep dive into the Cargo Connect robot game with Ohio's Head Referee, Richard Storrick. While most details are confidential until 17 Aug, teams this season will be focusing on transportation – learning how cargo is transported, sorted, and delivered to its destinations. Teams will solve real-world problems related to this theme as well as program their LEGO robots to autonomously complete obstacles in the head-to-head robot game matches. We can't wait to see what the teams accomplish this season!

Zoom link for the kickoff: <https://us02web.zoom.us/j/88558239478?pwd=cmFlWFFYT1Z2NG1Qa3g0eWJid05Ndz09>

Passcode: OhioFLL



Wright-Patterson AFB Educational Outreach
K-12 STEM
WPAFBSTEM.com

2021 OHIO FIRST LEGO LEAGUE CHALLENGE COACH WORKSHOPS

Join us to learn more about what to expect as a FIRST LEGO League Challenge coach in Ohio!

SATURDAY, JULY 31 @ 9:30-2:00
Remote | No Max

SATURDAY, AUGUST 14 @ 9:30 -2:00
In person, Dayton area | Max of 12 coaches

TUESDAY, AUGUST 17 @ 5:30-8:00
Cargo Connect Remote Kickoff

SATURDAY, AUGUST 28 @ 9:30-2:00
Remote | No Max

Link to sign up:
<https://forms.gle/eCnGwPDCPqJ4z2kQ6>



WOW!

The WOW! program is ready to receive your requests for the 2021-2022 School Year!

Please use the links below or contact the Program Manager with questions.

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

[WOW! in the Classroom](#) (Request Link: <https://www.surveymonkey.com/r/WIC-2021-2022>)

A volunteer from WPAFB, prepared with all of the necessary materials, will visit your classroom for an in-person STEM lesson full of hands-on activities.

[WOW! on Wheels](#) (Request Link: <https://www.surveymonkey.com/r/WOW-2021-2022>)

We deliver (to your school office) any of the WOW! materials and supplies you would like to borrow. You can present the WOW! in the Classroom lesson, or use any of our materials for your own lesson.

[WOW! Remote Lessons](#) (Request Link: <https://www.surveymonkey.com/r/WRL-2021-2022>)

This is another option for our WOW! in the Classroom lessons. When it isn't possible to schedule one of our WPAFB volunteers to visit your classroom for an in-person lesson, we can schedule a Remote Lesson using Zoom or Google Meet.

[WOW! Demonstrations](#) (Request Link: <https://www.surveymonkey.com/r/WDEMO-2021-2022>)

Our volunteers will run a STEM presentation for your students, based on their interests and background. This includes live interaction while demonstrating an activity and/or running an experiment, all while hosting an educational Q&A session.



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