



WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

K-12 STEM ENQUIRER

July 2023

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LEGACY Craftsman Camps

2023 LEGACY Craftsman camps were a success! Week long camps were held for 11 – 15 year old students at Wright Patterson AFB, Hill AFB, the United States Air Force Academy, Eglin AFB, and the Air Force Office of Scientific Research.

Campers enjoyed STEM activities, demonstrations, and field trips while seeing how math and science apply to the world around us. Some of the highlights of the week are the week-long activities including Egg Launch, Hydraulic Pneumatic Powered Devices, Boomilever, Sumo Robot, and Raspberry Pi.

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Join us next month...
Classroom Resources



LEGACY Craftsman Camps cont'd.



LEGACY Craftsman Camps cont'd.



 **LEGACY** 



LEGACY Craftsman Camps cont'd.



FIRST Rookie Camp

Teams comprised of students from five different local schools and homeschool families joined us for our annual FIRST LEGO League Rookie Camp, hosted for the first time at the National Museum of the United States Air Force (NMUSAF). Over the course of the week, students learned to build and design LEGO SPIKE PRIME robots, program the robots to complete autonomous tasks on a LEGO game field, and practice their teamwork and communication skills. All in all, we completed a mini season in a week! The camp concluded with a mock tournament that was open to the public where the teams got to show off all they learned and accomplished this week. The teams told us they had so much fun and feel confident and excited about their upcoming rookie seasons for the 2023-2024 Masterpiece season which kicks off on August 1st!

Special thanks to the volunteers who made this week possible! WPAFB volunteers included George Diehl, Ashley Diehl, Richard Storricks, Alex Ronnebaum, and Austin Kochs. Thanks also to the Education Team at the NMUSAF for their support!



MASTERPIECE

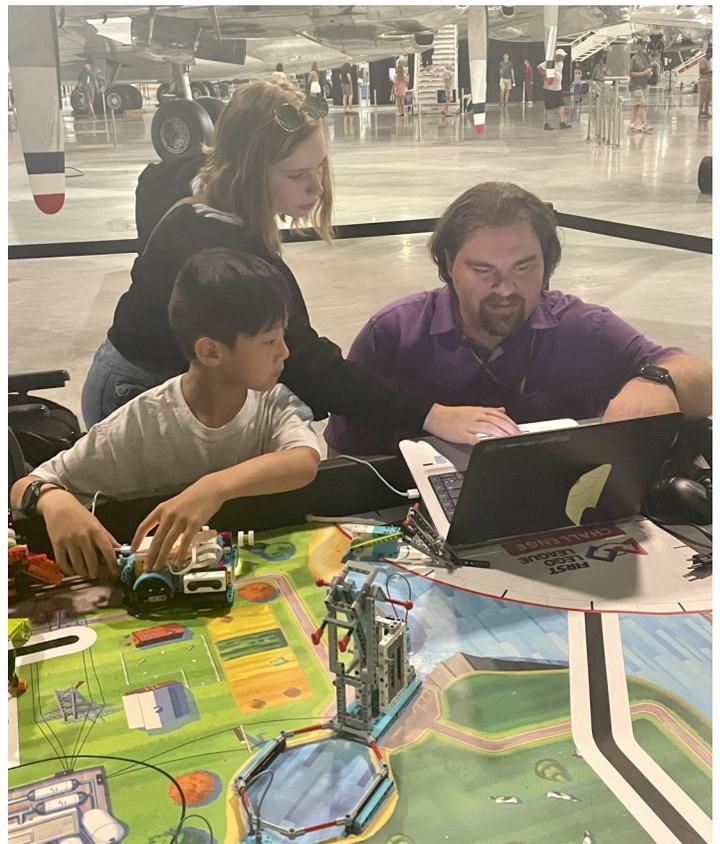


FIRST
LEGO
LEAGUE

FIRST Rookie Camp cont'd.



FIRST Rookie Camp cont'd.



FIRST Rookie Camp cont'd.



FIRST Rookie Camp cont'd.



WOW! Teacher Workshops

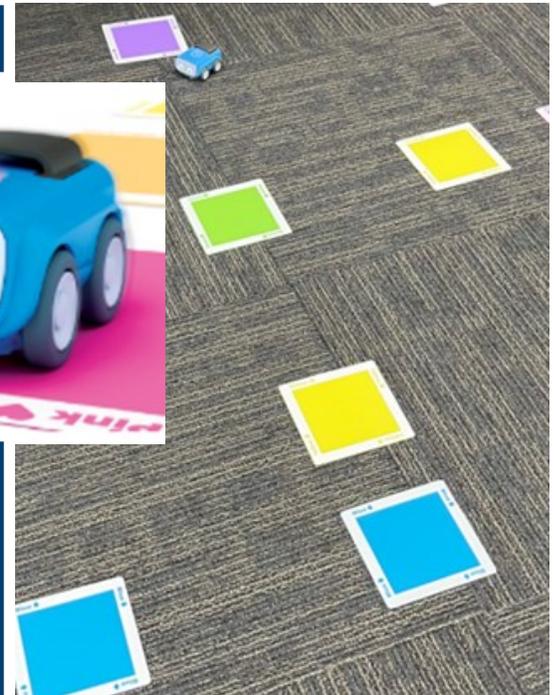


We want to thank all the teachers who joined us for our Workshops, Open House, and Open Lab Day. We hope you left with ideas and excitement for using the [WOW! program](#) in your lessons this year!



As you move through the school year, don't forget about:

- [WOW! in the Classroom](#)
- [WOW! on Wheels](#)
- [WOW! TV for Teachers](#)
- [WOW! DIY](#)



WOW! Requests: 2023-2024 School Year



Please use our Survey Monkey links when requesting lessons and materials for this school year. The NEW links are open!

Contact [Angel](#) with any questions!



Request WOW! in the Classroom

↑ Schedule an in-person presentation.



Request WOW! on Wheels

↑ Borrow materials.

Employee Spotlight

Name: Jen Elifritz (contractor)

Title: Director

Program: STARBASE Wright-Patt

Years with the EO office: 8 years

What do you enjoy most about your role in the EO office? *I enjoy being part of an exceptional STEM team that provides such great experiences for our area students!*

What is your favorite aspect of working with students in STEM? *I think my favorite part of working with students in STEM is when they are encouraged to wonder, ask questions, discover, and solve problems, and not just regurgitate information.*

What accomplishment are you most proud of in the EO office? *I am most proud of the collaboration I'm building within the community to provide real-world examples to our students of what they can also do or be in the future.*

If you had one superpower, what would it be and why? *If I could choose a superpower, it would be flight because of the freedom of movement it would provide.*

