

K-12 STEM ENQUIRER

October 2022

Daniel J. Andrews

AFRL/EZE STEM Division Chief
WPAFB K-12 STEM Lead
LEGACY Program
WPAFB Educational Outreach Office
STARBASE Wright-Patt
2261 Monahan Way, Bldg. 196
Wright-Patterson AFB, OH 45433
daniel.andrews.1@us.af.mil

WOW! Resources

WOW! offers STEM resources for K-12 classrooms.

- In-person visits
- Lessons
- Demonstrations
- Materials
- Videos



These resources are available to ALL teachers in the area, and everything is *always FREE!* [Check it out!](#)

In This Issue...

WOW! Resources	1
FLL Explore Updates	2
LEGACY Mentor Awards	3
Employee spotlight	3



A volunteer will come to your classroom to present a lesson, full of hands-on activities! [Check it out!](#)



You can borrow any of our materials to run a WOW! lesson or supplement your own lessons. *We'll deliver it to you!* [Check it out!](#)



Join us next month...

FLL Volunteer Workshops



For Teachers

All lessons have been made into videos that you can use in the classroom. These are beneficial for teachers who can't schedule an in-person visit. [Check it out!](#)

For Kids

Short, how-to videos of STEM activities are available that can be done in the classroom or at home! [Check it out!](#)



Activity sheets with quick, do-it-yourself activities that can be used in the classroom or by students and families at home. These activities can be done with materials that are inexpensive and easy to find! [Check it out!](#)



FIRST LEGO League Explore Updates

FIRST LEGO League Explore presents a new and exciting Challenge each year to ignite the creativity of children ages 6 to 10. While exploring the real-world theme, teams use basic engineering concepts to build a model made of LEGO elements. They also learn to present information through a Show-Me Poster. Throughout the experience, teams operate under the *FIRST* Core Values; celebrating discovery, teamwork, and Gracious Professionalism®.

In this #SUPERPOWERED season, *FIRST* LEGO League Explore teams will learn where energy comes from and how it is distributed, stored, and used. They will solve real-world problems related to energy usage and help realize a brighter future through innovative ideas in energy generation, efficiency, and use. Teams will be able to showcase learning at the end of the season by attending a festival. In the Dayton area, teams can participate in a festival held at the FLL and FTC State Championship at Hobart Arena in March! We can't wait to see what they accomplish!

For more information or how to start a team, contact Megan Carroll at mcarrroll@firstpartners.org



LEGACY Mentor Awards



Good news from LEGACY! The United States Air Force Academy Associate Dean of Research, Colonel McClernon, recognized six USAFA LEGACY Mentors during a Leadership brief this month. Mrs. Sandy Lamb was also recognized for her contributions to STEM which make up 25% of the Air Force's total STEM Outreach efforts.

Special thanks to mentors Lt Col Showalter (DFAS), Dr. Steel (DFB), Maj Hawkins (DFC), Mr. Ostasiewski (DFAN), Maj Seery (DFEC) and Mr. Hudson (DFMI) for your contributions to the LEGACY program and for shaping the next generation of the AF STEM workforce!



Employee Spotlight

The Education Outreach office had a new employee join at the end of September! Jessica Johnson joins the team as an Administrative Specialist who will manage the mentor/tutor programs, classroom speakers, virtual career speakers and Read Across America. She will also provide support to the other STEM programs offered by the WPAFB Educational Office.

Jessica says, "I'm excited for the opportunity to be part of such an energetic team who is passionate about bringing S.T.E.M. to life for students in such innovative ways! It's a privilege to serve the future leaders of our community and our country!"

Welcome aboard, Jessica!

