



# WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

## K-12 STEM ENQUIRER

September 2023

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](mailto:daniel.andrews.1@us.af.mil)

### Fall Job Shadow Day Registration

The Educational Outreach Office looks forward to welcoming registered students for Job Shadow Day, scheduled on Friday, October 27<sup>th</sup>, 2023. Registration filled quickly, students are being aligned with a mentor and will be notified of their assignment.

Students will start their day at the National Museum of the United States Air Force where they will meet their mentor. Mentors will take students on Base for a day of activities which may include job site visits, introduction to colleagues, facility tours, showcasing a special project, and more! Student experiences will be shared in next month's newsletter.

In This Issue...	
Fall Job Shadow Day Registration	1
FTC Kickoff	1-2
LEGACY iFLY Camp	3-5
Best Wishes, Rich!	6
Employee Spotlight	6



**JOB SHADOW DAY PROGRAM**  
WPAFB Educational Outreach



### FTC Kickoff

The Ohio FIRST Tech Challenge season had an exciting launch on September 9, 2023! About 500 students from around the state gathered to celebrate the start of the season and witness the reveal of the FTC season game, CENTERSTAGE, presented by RTX. Some of the features of the game this year include launching "drones", navigating through trusses and stage doors, creating mosaics using pixels, and hanging their robots from trusses. The game centers on creativity, innovation, and collaboration. *(Continued next page.)*

Join us next month...  
Fall Job Shadow Day



## FTC Kickoff cont'd.

Kickoff events occurred in Loveland, Dayton, Columbus, and Cleveland. Teams gathered to hear presentations hosted by veteran teams, collaborate and strategize for the upcoming season, and get up close and personal with the game field.

Ohio FIRST Tech Challenge tournament events will take place from December 2023-February 2024. Teams are prepping their robots and gearing up for an exciting season! Thank you to all of our event hosts for providing an opportunity for teams to come together and celebrate the upcoming season!



## LEGACY iFLY Camp

LEGACY (Leadership Experience Growing Apprenticeships Committed to Youth) Craftsman campers at the United States Air Force Academy (USAFA) had the opportunity to participate in the iFLY STEM program during their camp. The iFLY STEM program inspires and educates students through an immersive and educational program where they first learn about the science and technology of flying, then take this knowledge and apply it as they fly in the wind tunnel.

Students listened to an interactive presentation to learn about real world STEM applications, watched physical demonstrations in the wind tunnel, participated in a lab activity, measured, recorded and interpreted data and ended their day flying in the wind tunnel!



LEGACY iFLY Camp cont'd.



LEGACY iFLY Camp cont'd.



## Best Wishes, Rich!



One of our own is going on to bigger and better things!! One of the LEGACY Program Mangers, Richard Storrick, is going to the Air Force Life Cycle Management Center (AFLCMC) to focus on engineering. While in LEGACY, he focused on curriculum development and individual student skill development. While this will leave a sizeable hole in our LEGACY team, we wish him the best in his new role!



## Employee Spotlight

**Name:** Ian Berry (contractor)

**Title:** Deputy Director

**Program:** STARBASE



**Years with the EO/STARBASE office:** *This is my 4th year employed by EO, but I have been a participating teacher at STARBASE for about 10 years prior to that.*

**What do you enjoy most about your role in the EO/STARBASE office?** *I love interacting with the students who visit STARBASE. They bring a level of energy to the program that reinvigorates my energy level.*

**What is your favorite aspect of working with students in STEM?** *While I have been teaching STEM for a long time (35 years), for many of the students who come to STARBASE, this is their first real immersion into a STEM curriculum. To see the 'awakening' of knowledge as they discover something for themselves or to witness those 'lightbulb' moments firsthand are things that I cherish the most. Knowing that I was able to facilitate such moments is very powerful.*

**What accomplishment are you most proud of in the STARBASE office?** *I feel that my greatest accomplishment at STARBASE is being able to put together and inspire a staff of instructors who are as passionate about science and STEM as I am: Instructors who are willing to dive in and make learning exciting and fun on a daily basis without inhibitions.*

**If you had one superpower, what would it be and why?** *This is the hardest question for me, because I already have a super power...as we all do...the power to inspire students and their teachers as we prepare them for the future. But if I had the ability to acquire another superpower I suppose it would be the ability to be in multiple places at the same time so that I could have as much teaching time as possible, with as many students as possible!*

