



# WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

## K-12 STEM ENQUIRER

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### Spring Job Shadow Day

The Wright-Patterson AFB Educational Outreach Office has been hosting the Job Shadow Day program for over 26 years. Job Shadow Day brings in high school juniors and seniors to spend their day with a mentor at WPAFB. This spring's job Shadow Day hosted 80 students from 33 different high schools. The day was possible with the help of the 40 mentors and co-mentors across many different STEM career fields. We had students shadowing many areas of engineering, acquisitions, pharmacy technicians, recruiters, human resources, air traffic controllers, and other specialties.

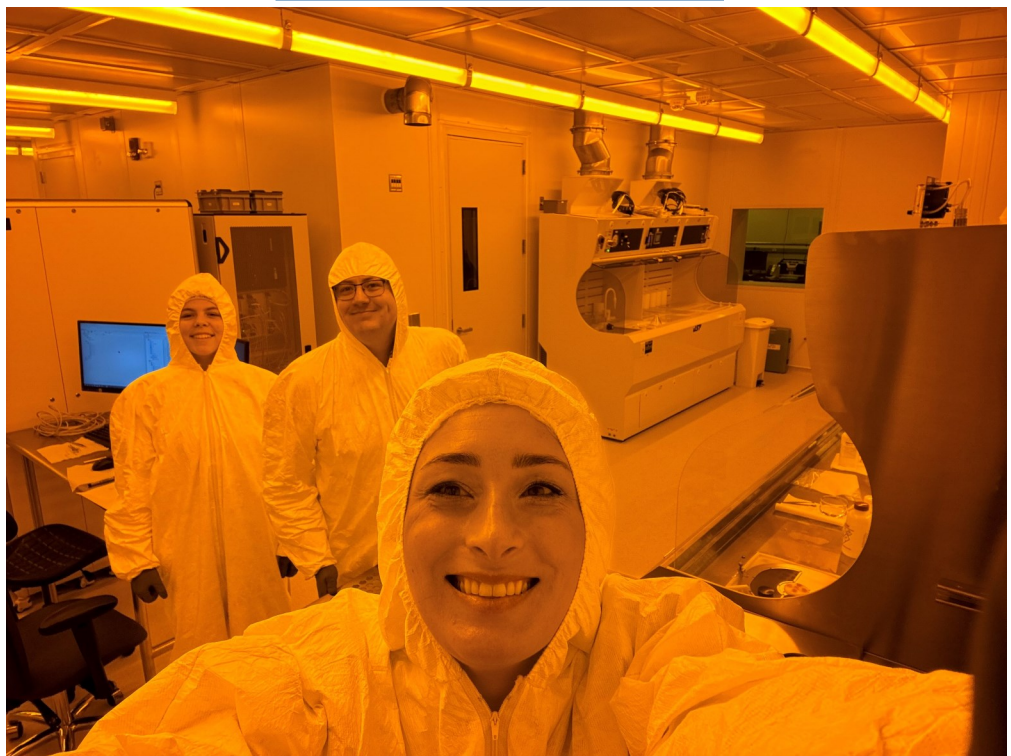
The next job shadow day will be in the fall, [click here](#) to stay connected!

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Join us next month...  
Educational Fund Ceremony





Spring Job Shadow Day cont'd.



WRIGHT-PATTERSON AFB





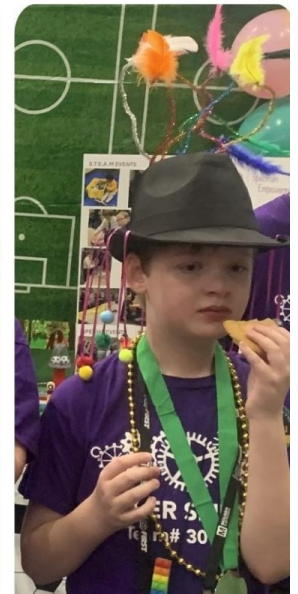
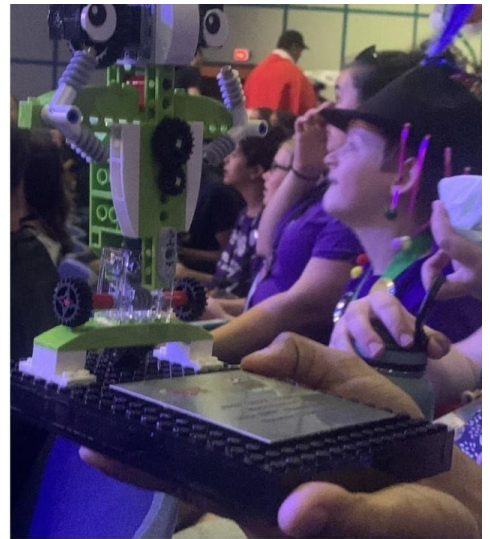
## FLL EXPLORE Events

In mid-April, FLL Explore Team 30150 Super Spikes from Mason, OH participated in the MASTERPIECE World Festival at the *FIRST* Championship in Houston, TX. 40 FLL Explore teams, representing 17 countries, 18 states and Canada presented their season accomplishments. Kids were challenged to explore a STEM topic, then present what they learned on their team journey through their team poster and a motorized LEGO model. In the 2023-2024 MASTERPIECE challenge, *FIRST* LEGO League students imagined and innovated new ways to create and communicate art across the globe.



**FIRST  
LEGO  
LEAGUE**

**EXPLORE**









FLL EXPLORE Events cont'd.





## FIRST WORLD FESTIVAL: FLL CHALLENGE

Two weeks ago, FIRST LEGO League teams from around the world competed at FIRST Championship: World Festival in Houston, TX. Among these outstanding world championship teams were two Ohio teams: Howl Bout It from Cincinnati and Charged UP from Kent. Both teams performed admirably, representing Ohio so well! It was a week filled with intense but friendly competition, innovation, and Gracious Professionalism with the top 1% of teams from around the world taking part. We are proud of their performance at this elite level of competition.

As the event concluded, teams were able to get a sneak peek of next season's theme: FIRST Dive: Submerged which appears to be related to sustainability and the oceans. We can't wait to see the innovation and creativity this season will bring!





FIRST WORLD FESTIVAL: FLL CHALLENGE cont'd.

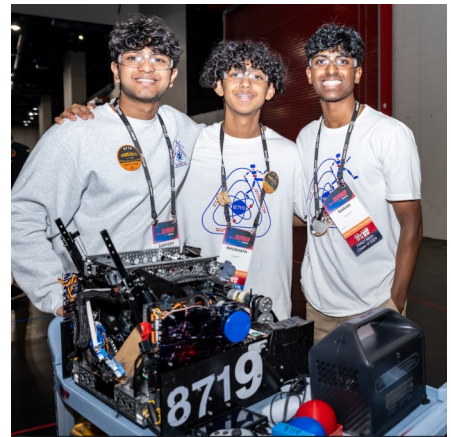
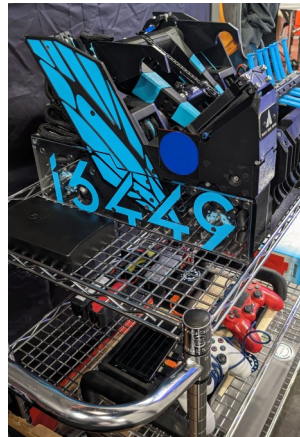


MASTERPIECE



## FIRST WORLD FESTIVAL: FTC

The 2023-2024 FIRST Championship took place in Houston, Texas throughout the weekend of April 18, 2024. 192 FIRST Tech Challenge teams from around the world gathered to compete for the CENTERSTAGE season finale. Teams get a chance to attend the championship by qualifying from the championship events in their home state or country. 3 teams from Ohio qualified to attend. Only the top 2.5% of teams in the world qualify to compete at the final Championship in Houston, Texas. Team 8719 (Quantum Leap), Team 16449 (Juniper Robotics), and Team 21865 (Fe2O3) all represented Ohio at the FIRST World Championship. All teams were mentioned for awards which is a first in FTC Ohio history! We are so proud of our teams and how they represented Ohio. They are true gracious professionals and stewards of their communities. Congratulations to our teams and we can't wait to see what you all do next year!





## FIRST WORLD FESTIVAL: FTC cont'd.

Sophia L. from Team 4537 was awarded as a Dean's List Award Winner at FIRST World Championship. She is one of only 10 students in the entire world to be selected for this prestigious award. To receive this award, students are nominated by their coaches and peers, participate in an interview, and are reviewed at multiple levels. These students are recognized for leadership on their teams and in their communities. Sophia is a shining star in her team's home community of Kettering, OH and has now been globally recognized for her accomplishments! Well done, Sophia. What an extraordinary accolade for a well-deserving student!



# CENTERS STAGE<sup>SM</sup>

PRESENTED BY  RTX



**FIRST WORLD FESTIVAL: FTC cont'd.**

**CENTERS STAGE<sup>SM</sup>**

PRESENTED BY  **Raytheon  
Technologies**

*FIRST* Tech Challenge  
2024 World  
Championship Results

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Dean's List Award Winner  
Sophia L. – Team 4537

Team 8719  
Think Award Winner, Franklin Division

Team 16449  
Control Award Winner, Division Finalists (Final 8),  
Jemison Division

Team 21865  
Motivate Award 2<sup>nd</sup> place, Ochoa Division



## WOW! Teacher Workshops

**Registration open for summer workshops - space available!** All workshops are held at SOITA, 1205 E. Fifth Street, Dayton, OH 45402; 937-746-6333. Workshops run from 9:00-3:00 with a free hour for lunch (*not provided*). Certificates for contact hours are issued at the end of the day. [Click here](#) to learn more or [click here](#) to register today!

**5<sup>th</sup> -8<sup>th</sup> grade teachers** - *come to one or both sessions and experience different ideas to use in the classroom!*

- Monday, June 17<sup>th</sup> - Aviation: Flights and Kites
- Tuesday, July 16<sup>th</sup> - Aviation through Rocketry

**K-4<sup>th</sup> grade teachers** - *come to one or both sessions and experience different ideas to use in the classroom!*

- Tuesday, June 18<sup>th</sup> - Bubbles, Kites, and Flight
- Wednesday, July 17<sup>th</sup> - Wind, Weather, and Flight



## Volunteer Spotlight

**Name:** *Gordon Taylor*

**EO program volunteering with:** *WOW!*

**Years volunteering with the EO office:** *2*

**Why did you become an EO volunteer?**

*Our Directorate had the WOW! director (Angel Callahan) present what the program does. The program caught my attention because of the common goals to increase student interest in STEM; this both supports our communities and the National Defense Industrial Base.*

**What is your favorite aspect of volunteering with the EO office?**

*Seeing the children and teachers excitement and energy in what they learn and experience through the WOW! program.*

**What is your favorite memory as an EO volunteer?** *Favorite memories are getting the hugs, smiles, kind words, and waves from children who are happy we bring this program to them.*

**How does your job at WPAFB tie into STEM?** *My job as an environmental engineer and membership in SAME relates to several lessons we offer through WOW! dealing with animals, chemistry, electrical and magnetic properties; and providing scholarships and learning opportunities for eligible students.*

**What advice would you give to potential volunteers?** *Giving back to the community is enjoyable and rewarding, in the short and long term, for both our volunteers and those serviced. The base organizations with STEM programs provide the training, teaching, and educational tools for successful events supported by volunteers.*

