

WPAFB E.O.

NEWSLETTER

March 2025

WHAT'S HAPPENING?

Read Across America

STEM HOOPLA

FIRST Lego League Explore

FIRST Lego League Challenge

FIRST Tech Challenge

WHAT'S COMING UP?

Job Shadow Day

Military Child Night: Boonshoft
Museum

FIRST Championship: World
Festival



The Read Across America event at the National Air Force Museum at Wright-Patterson Air Force Base was a resounding success, drawing hundreds of local children who had an unforgettable experience. With the incredible support of our dedicated volunteers, we were able to bring the joy of reading to life for young minds in a fun and engaging way.

The event, part of the nationwide Read Across America initiative, embodies the mission to encourage children to develop a love for reading and to inspire them to explore the world through books. This year's event was a perfect reflection of that mission, as children immersed themselves in the exciting world of literature while exploring the rich history of aviation. We'd like to extend a huge thank you to all of our amazing volunteers whose time and enthusiasm made this event possible. Their hard work helped make this year's celebration one to remember for all the kids involved.

Looking forward to next year's event and continuing to inspire the next generation of readers!

Daniel J. Andrews
AFRL/EZE STEM Division Chief
WPAFB K-12 STEM Lead
LEGACY Program

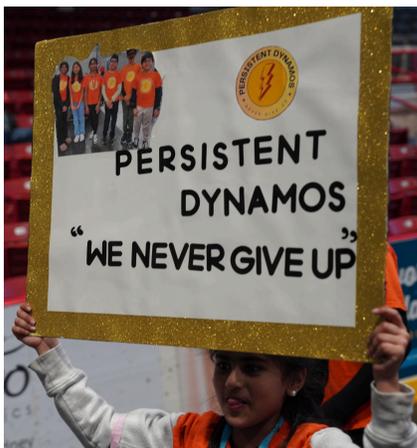
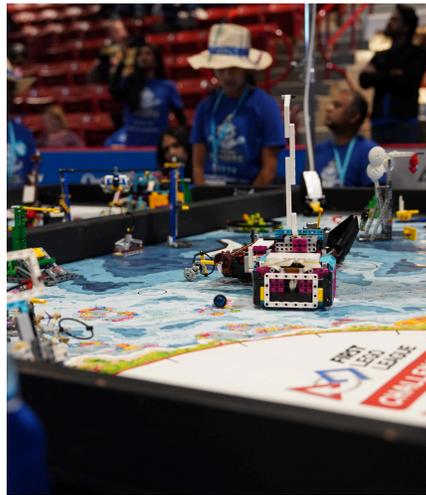
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E.O. MARCH PROGRAM HIGHLIGHTS



The Dayton (32 teams) and the Loveland Robotics (19 teams) FIRST LEGO League Explore Festivals were held in March. For this season's challenge, SUBMERGED, teams used creative thinking and LEGO® technology to explore the layers of the ocean and brought their learnings and ideas to the surface. A total of 51 teams participated in exploring a challenge, learning about core values, creating a team model with coding, and designing a team poster. We are so thankful for the coaches, volunteers, family, and friends who attended and supported these amazing teams through their journey of collaboration and communication to build, learn, and play!

E.O. MARCH PROGRAM HIGHLIGHTS



FIRST LEGO League Challenge Championship

Ohio FIRST LEGO League Challenge teams from all across Ohio have spent their SUBMERGED season strategizing, building, programming, collaborating, researching, innovating, and so much more. 43 of the top performing Ohio teams gathered at Hobart Arena to compete at the Ohio Championship! These teams have demonstrated excellence in the robot game, in innovation, and teamwork and they showed up to meet with judges, compete on the robot competition field, and celebrate their season as Championship qualifying teams.

At the conclusion of the long weekend, teams had set new season high robot scores, a Champion was named, awards were won, and a great deal of pride was on display at the accomplishments of so many young innovators. The top 6 overall performing teams will advance to international competitions to represent Ohio. The teams are entering their off-season now and they will spend time learning new skills, collaborating with other teams, promoting up to FIRST Tech Challenge and FIRST Robotics Competition, honing their research skills, and preparing for next year's game. Next season's theme reveal will take place in late April in conjunction with World Festival, the international Championship in Houston.

Highest ranking Ohio Championship teams that qualified for international competitions:

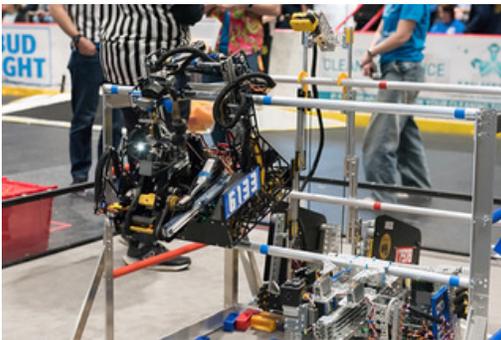
2751 Lego Legion (Cincinnati team) – Sunshine Invitational at Embry Riddle University

58764 RoboCats (Aurora team) & 56510 Innov8 (Mason team) – World Festival at FIRST Championship

40039 No Signal (Dublin team) & 56750 Hawktopuses (Lewis Center team) - Worcester Polytechnic Institute Open in Massachusetts

10798 Brick Busters (Dayton team)– Western Edge Invitational in California

E.O. MARCH PROGRAM HIGHLIGHTS



COLONEL SEEKAMP



Ohio FIRST Tech Challenge wrapped up the INTO THE DEEP season at the Ohio Championship at Hobart Arena on March 8. Colonel Karl Seekamp, Vice Commander of the Air Force Research Laboratory, started the day by motivating the students and energizing them for a day of friendly competition. The crowd cheered on as teams collaborated to compete at their very best. We saw match scores higher than we saw all season. The teams worked their hardest to have the highest performing robots. Teams also participated in judging sessions to present to a panel of judges their engineering process and outreach strategies. We are proud to have 3 teams advancing to the FIRST Championship in Houston, Texas and 4 teams advancing to Premier Events. We also announced 3 students who were chosen as Ohio Dean's List Finalists. These students will go on for a chance to be 1 of the 10 Dean's List Winners in the world. Best of luck to all of the teams and students moving on in the competition!

E.O. MARCH PROGRAM HIGHLIGHTS



2024-2025 FIRST LEGO League Explore DAYTON FESTIVAL AWARD WINNERS



Model Award for Construction and Innovation:

- Team 33560 Unikitties
- Team 24779 Robotic LEGO Panthers
- Team 29644 Techno-Hornets 1

Model Award for Master Programmer:

- Team 30150 Super Spikes
- Team 25798 Infinity Builders
- Team 31050 Humu-Humu Pig Snout Leopard Minions

Model Award for Amazing Movement:

- Team 29151 LEGO Legends
- Team 28229 Golden Pineapples Under the Sea
- Team 31351 Royal Bluey Builder Crew

Model Award for Lil' Einsteins:

- Team 33246 Megalodons
- Team 32905 Electric Eels
- Team 27960 Legomancers

Poster/Research Award for Explosive Ideas:

- Team 28231 Team Kraken
- Team 30992 Team Yellowfin
- Team 32059 Bricktastic

Poster/Research Award for Synergy:

- Team 31235 Jonah's Jazzy Jumpers
- Team 25642 Mythical Sea Divers
- Team 30973 Minifig Mariners

Poster/Research Award for Journey:

- Team 30205 Techno-Hornets 2
- Team 28226 Bricks on Fire

Poster/Research Award for Artistic Eye:

- Team 32906 Shaw Elementary Aqua Seals
- Team 7650 The Manglers

Core Values Award for Effort and Learning:

- Team 28225 Team Under Pressure
- Team 32005 Donut Master Minions

Core Values Award for Rising Stars:

- Team 29152 The Blue Engineer Warriors
- Team 31051 Wave Warriors
- Team 32904 Musical ORCAstra

Core Values Award for Spirit:

- Team 31783 Kids Connect
- Team 25728 The Robotic LEGO Sharks

Core Values Award for Outstanding Teamwork:

- Team 29959 LEGO You Later
- Team 25727 Team Baby Whale
- Team 33250 Aquatic Moon Rays



2024-2025 FIRST LEGO League Challenge OHIO CHAMPIONSHIP AWARD WINNERS



Advancing Teams – World Festival

- 56510 Innov8
- 58764 RoboCats

Advancing Teams – Opens & Invitationals

- 2751 Lego Legion
- 56750 Hawktopuses
- 40039 No Signal
- 10798 Brick Busters

Champion's Award

- 2751 Lego Legion (Winner)
- 56510 Innov8 (Finalist)
- 58764 RoboCats (Finalist)

Core Values Award

- 353 LEGO Maskers
- 54930 Pirate Penguins
- 56750 Hawktopuses

Innovation Project Award

- 2492 Steel Stingers
- 10798 Brick Busters
- 33309 Fish and Ships

Robot Design Award

- 40039 No Signal
- 56504 AdAstra
- 61318 HyperDrive

Robot Performance Award

- 2751 Lego Legion (480 pts, tie-breaking 470)
- 37732 Power Pandas (480)
- 56750 Hawktopuses (405)

WPAFB EO Founders' Award

- 38303 Science Sisters
- Cooperation Award
- 56595 Mercy Meteors
- Engineering Excellence Award
- 37732 Power Pandas

Motivate Award

- 16794 Anonymous Octopi

Breakthrough Award

- 3039 Sea Squirrels

Rising All-Star Award

- 57825 Double Digits

Judge's Award ("Data Driven Detailed Documentarians")

- 63673 Smart Bots

Coach/Mentor Award

- Kristen Graves (Teams 63804, 33309, 54930)
- Jim Lohre (Team 56595)
- Karen Lepper (Team 255)

Volunteers of the Year

- Jennifer Keene
- Denys Guriev
- Azalea Shillington

FIRST Family

- Glaubitiz Family



2024-2025 FIRST Tech Challenge OHIO CHAMPIONSHIP AWARD WINNERS



powered by RTX

ADVANCING TEAMS - World Championship

- 20744 24 Karat
- 23435 Gyrobotic Droids
- 22858 Flying Sausers

ADVANCING TEAMS - Premier Event

- 6133 The "NUTS!"
- 16449 Juniper Robotics
- 17978 Robo Kai (Fenwick)
- 14279 FLRC - Circuit Breakers

INSPIRE AWARD

- 1st place: 20744 24 Karat
- 2nd place: 6133 The "NUTS!"
- 3rd place: 16449 Juniper Robotics

WINNING ALLIANCE

- Captain: 23435 Gyrobotic Droids
- Partner: 22858 Flying Sausers

FINALIST ALLIANCE

- Captain: 17978 Robo Kai (Fenwick)
- Partners: 26433 Monkey Machina

THINK AWARD

- 1st place: 14279 FLRC Circuit Breakers
- 2nd place: 10464 The Bionic Tigers

CONNECT AWARD

- 1st place: 8719 Quantum Leap
- 2nd place: 16657 We Did Start the Fire

INNOVATE AWARD sponsored by RTX

- 1st place: 26433 Monkey Machina
- 2nd place: 5501 VW Robotics

CONTROL AWARD

- 1st place: 3311 Innovators Robotics
- 2nd place: 17978 Robo Kai (Fenwick)

MOTIVATE AWARD

- 1st place: 23493 Techno Domination
- 2nd place: 23927 INTERSTELLAR

DESIGN AWARD

- 1st place: 10084 Team Calamari
- 2nd place: 14988

COMPASS AWARD

- Winner: Nick Ubbelohde - 17978 Robo Kai
- Finalist: Jennifer Zutterling - 12099 Stars of the Galaxy
- Finalist: John David Grimes - 10084 Team Calamari

JUDGES CHOICE AWARD

- 27864 Rebellng Rangers

DEAN'S LIST FINALISTS

- Melia K. - 10464 The Bionic Tigers
- Lei S. - 21865 Fe2O3
- Owen W. - 16657 We Did Start the Fire

VOLUNTEER OF THE YEAR

- Terence Chu



FIRST 2025
STATE
CHAMPIONSHIP
AWARDS

FIRST EXPLORE
FIRST LEGO
LEAGUE
CHALLENGE
FIRST TECH
CHALLENGE

STEM HOOPLA



“The Big Hoopla STEM Challenge at Wright State University”

Undeniably the most fun and exciting outreach event of the year, The Big Hoopla was bigger and better than ever this year. STARBASE Wright-Patt, along with LEGACY and WPAFB Education Outreach, joined many other community partners as STEM exhibitors in the event that brought in 1500 students to help celebrate the NCAA Men’s First Four games in Dayton. Students were challenged at our booth to create color-coded paths for the Sphero Indi robots to travel, make an LED light bulb light up with squishy basketball circuits, fly whirlybird helicopters straight up to the ceiling, and use the concepts of Newton’s laws and a pendulum to get a ball into a ring. The excitement was never-ending. The AFMC Deputy Commander, Lt General Linda Hurry and the Air 88th Wing Commander, Col Dustin Richards stopped by the participate in the fun! Col Richards even helped out in the finals of the shooting challenge! As usual, March is made for madness, and The Big Hoopla delivered fun and excitement to match the NCAA Men’s Tournament First Four! We can’t wait for next year!



Wright-Patterson AFB
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WPAFBSTEM.com