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K-12 STEM ENQUIRER

FIRST® LEGO League Ohio Championship

Sixty of the highest performing Ohio *FIRST*® LEGO League teams gathered at Wright State University College of Engineering and the Ervin J Nutter Center on February 1 and 2 for the Ohio CITY SHAPER Championship. This Championship event was a celebration of the hard work and accomplishments of the 500+ children participating. We saw amazing LEGO robots, innovation projects, and world-class *FIRST*® Core Values! Since August 1, the teams have been working to design and build their robots to complete autonomous missions in head-to-head competition, solve a real world problem related to a public space or building in their community, and develop strong collaboration and teamwork skills. These sixty teams advanced twice to qualify for the championship and represent the best of Ohio!

This event would not have been possible without the over 150 volunteers who came out in force to support the event – we are so grateful for their support! A full list of award winners can be found on our website: http://wpafbstem.com/media/fll/city_shaper_championship_results.pdf (continued on next page)

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...Join Us Next
Month

- Read Across America
- FTC State
- FRC Regional
- Job Shadow Day
- STEM Hoopla
- MVR FLL Jr. Expo





FLL Ohio Championship continued

These top performing teams earned bids to post-season events:

FIRST® World Festival: 8220 8 to Automate (Dublin), 15866 Thunder-Bots Robotics (Northmont), and 19619 Waves (Yellow Springs)

Razorback Invitational: 25313 CRE8 (Mason), 2751 Lego Legion (Cincinnati)

Japan Open International: 17272 Misfit Mechanical Mages (Sylvania) Carolinas

Open Invitational: 1923 Robo Raptors (Dayton)

LEGOLand International Invitational: 3010 Constant Deviation (Cincinnati)

In recognition of their Innovative Solutions to the season's challenge, these teams were nominated to compete in the Global Innovation Award presented by Disney:

8220 8 to Automate (Dublin), 33597 Robo Flow (Columbus), 32411 QuickBots (Beavercreek), and 1923 Robo Raptors (Dayton)



FIRST® LEGO® LEAGUE, Jr. Dayton Expo

On Sunday, February 2, 2020, twenty seven (27) teams from across Ohio attended the FIRST® LEGO League Jr. Dayton Expo at the Ervin J. Nutter Center. Each season, FIRST® LEGO League Jr. teams, guided by FIRST's Core Values, work together to explore a real-world challenge. At the Expo, each team met with a pair of reviewers to share what they learned during this BOOMTOWN BUILD season as well as showcase their creative LEGO models and show-me posters. Each team also participated in a teamwork activity designed to encourage problem-solving and critical thinking. The accomplishments of all these teams was at the heart of this celebration and a great time was had by all!





Workforce We Need Summit

The Workforce We Need Summit was held to bring together Wright Patterson Air Force Base (WPAFB) leadership with Ohio College and University Leadership to share current and future workforce opportunities available at WPAFB, by explaining the different missions of the base. WPAFB K-12 STEM Director, Dan Andrews, had the opportunity to explain to the audience the K-12 programs the WPAFB Educational Outreach Office provides not only the local community, but also the state of Ohio. Participants in these programs can often be linked to various college and university programs, creating a more streamlined pipeline beyond K-12 for STEM.



TechFest 2020

The Educational Outreach office wanted students to have the experience of a hands-on display, as well as make something to take home with them. We also wanted to incorporate a little Dayton history. We took a few moments to introduce students to Orville and Wilbur Wright - two Dayton brothers, inventors and aviation pioneers who invented and built the world's first successful airplane and made the first controlled, powered and sustained heavier-than-air human flight, on December 17, 1903. Students then made and decorated their own Wright B Flyer to take home.



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