

**Daniel J. Andrews**  
 WPAFB K-12 STEM Coordinator  
 Engineering and Technical  
 Management Directorate, AFRL/EN-EZE  
 2261 Monahan Way, Bldg. 196  
 Wright-Patterson AFB, OH 45433  
[daniel.andrews.1@us.af.mil](mailto:daniel.andrews.1@us.af.mil)

# K-12 STEM ENQUIRER

## LEGACY Camp

LEGACY kicked off this month with 325 students participating in in-person Craftsman Camps at Wright-Patterson AFB, Eglin AFB, US Air Force Academy-(USAFA), and Hill AFB. LEGACY expanded to the Air Force Office of Scientific Research (AFOSR) with 60 students participating in virtual camps. Across the sites, 11-15 year old students participated in hands-on STEM activities including Parachute Build and Test, Chemiluminescence, Zipline, Creative Circuits, Boomilever, Learn to Solder, Sumo Robots, Raspberry Pi, and many more!

### In This Issue...

	Pg.
LEGACY Camp	1
STARBASE Camp	2
FIRST® LEGO League GIA	2



### ...Join Us Next Month

- WOW! Teacher workshop
- FLL Coach Workshops





# STARBASE Wright-Patt Summer Camp 2021

After a painfully long wait, we were finally able to invite students back into our facility for our summer camps in June. We hosted rising 5th and 6th graders for the first 2 days of the week during which they explored coding and engineering. While masked and distanced, students were still able to share ideas in building bridges, trebuchet-style launchers, and bottle rockets.

The next 2 days brought our rising 7th and 8th graders who, also while masked and distanced, explored fruit DNA and designed mazes and bridges for our Sphero Robots. It was great to see young minds engaged and hard at work in our own facility once again!



## Global Innovation Award

Innovation extends beyond the robots as *FIRST*® teams from around the world research and propose solutions to real-world problems. This season's theme tasked teams with solving problems associated with people not being active. Kids across the globe went to work, researching, iterating, and solving their identified problem. After the main season concludes, some teams aspire to compete for the Global Innovation Award which recognizes the most innovative solutions presented by *FIRST* teams. This year, three Ohio teams qualified for the Semi-Finals –1923 Robo Raptors from Vandalia, 2751 Lego Legion from Cincinnati, and 5736 Techno Botz from Dublin. Lego Legion went on to qualify for the global top 20 and, on June 30, they were recognized as the global runner-up (the top performing team in the US!) with their Smart Steps invention! Read more about the award and winners here. [tinyurl.com/yuajkudf](https://tinyurl.com/yuajkudf)



1923 Robo Raptors



2751 Lego Legion



5736 Techno Botz



<https://www.facebook.com/wrightpatteo>



<https://twitter.com/wpafbeo>