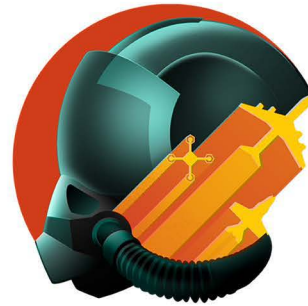




Display PC Specs

HP OMEN - Gaming Desktop
AMD Ryzen™ 7 5800X
16GB HyperX Memory
NVIDIA® GeForce RTX™ 3070
1TB SSD



UCF STEM AVIATION SHOWCASE

EXPERIENCE THE JOY OF FLIGHT

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Visit us at
<https://www.metil.org/usas>



Orange County
Public Schools



UCF STEM AVIATION SHOWCASE

EXPERIENCE THE JOY OF FLIGHT



OVERVIEW

UCF's Institute for Simulation and Training (IST), working through the UCF Foundation, seeks to encourage STEM education and promotion of aviation as a career path. The UCF STEM Aviation Showcase (USAS) features various flight simulator activities including Microsoft Flight Simulator, Drone Racing League, mobile simulators, consumer-level drones and obstacle course, and other STEM content that rotates throughout the exhibit. IST has developed both traveling versions of USAS and semi-permanent exhibits to live at STEM-based locations such as Cade Museum in north central Florida to introduce, educate, and inspire young people about aviation and the many career opportunities it offers. Through this outreach and showcase, UCF IST hopes grow its partnerships with Central Florida communities to reach underserved populations who might not otherwise be exposed to aviation or see themselves as future pilots — our goal is to make an impact in the field of aviation by broadening the future workforce as we foster interest in aviation and associated STEM fields/careers. In our first year of operation USAS facilitated thousands of student interactions with our various flight simulators. We were able to attend 16 events with a collective 150,000+ attendees. Our goal for our second year is to expand our opportunity to reach students and have more sustained interactions between them and our flight simulators. USAS is actively pursuing educational system, STEM, and community partners that share in our mission to establish short and long-term installation/loaning of our flight simulators and equipment for use at events, in educational curriculum, extracurricular programs, community outreach, etc. A huge thank you to the Cade Museum, Kennedy Space Center, Blue Origin, Orange County Public Schools, Orange Technical College, and future USAS sponsors/partners/supporters/volunteers. If you would like additional information about the program or to connect with us about future events and partnership, sponsorship, or volunteering, please contact us by completing the contact fields below. We look forward to hearing from you!

This is a list of recommended programs and organizations for someone interested in aviation:

Experimental Aircraft Association

Orlando Florida Chapter EAA 74:
A gold level chapter of the EEA based out of the Orlando Executive Airport

Orlando Young Eagles
Provides free airplane rides for members ages 8-17, Aviation classes for members 12-17, and ground school for ages 17+

Academy of Modern Aeronautics

Professional Pilots of Tomorrow

Seaplane Pilots Association

Soaring Society of America

United States Hang-Gliding and Paragliding Association

Balloon Federation of America

Drone Racing League

"When once you have tasted flight, you will forever walk the earth with your eyes turned skyward, for there you have been, and there you will always long to return."

— Leonardo DaVinci



This list features a variety of apps recommended for someone with an interest in aviation:

PC:

- Microsoft Flight Simulator
- The Drone Racing League Simulator

iOS:

- Drone Racing League Arcade
- DRS Drone Flight Simulator
- Drone On My Phone

Android:

- Drone Racing League Arcade
- Drone Duels
- Blue Angels
- Infinite Flight
- Real RC Flight Sim 2016
- Flight Pilot Simulator

STEM

- Rotating Content
- VR Talon Flight Simulator
- Obstacle Course
- Consumer Drone