



Michigan Air and Space Virtual Summer Camps!!

A cooperative program with the Michigan Space Grant Consortium, MiSTEM Network Region 12, and Wings Over the Rockies Air & Space Museum in Denver, Colorado

Free to Qualified Students!!

(If not selected for scholarship, all camps are discounted by Wings Over the Rockies to a flat fee of \$249.00)

Elementary (Grades 3-5), Middle (Grades 6-8), and High School students will attend camp from home! Camps will run Monday through Friday 10:00 am - 2:00 pm using a virtual format with online instruction. Students will move fluidly from virtual instruction with teachers to working on projects and activities using kit materials throughout the class time.

Campers will receive a supply kit before the start of camp.

100 scholarship-funded seats are available to Michigan students in Alpena, Alcona, Cheboygan, Crawford, IOSCO, Montmorency, Otsego, Ogemaw, Oscoda, Presque Isle, Roscommon Counties.

Campers must have access to a computer, laptop or tablet AND reliable internet.

Available Camps

June 22-26, 2020 Students grades 3-8

Living on Mars: Spend the week learning about Mars and how we will travel to, live, and work there. This camp will include spacecraft and spacesuits, building structures on Mars, solar and wind energy, Mars' geography, and more.

June 29-July 3, 2020 Students grades 3-8

Deep Space Adventures: This camp focuses on exciting developments in the space industry and the methods humans might use to reach them. Participants will build models, study astronomy and make a plan for an enduring human presence in space.

June 29-July 3, 2020 Students grades 6-8

World of Code: Enter an exciting world of code by learning the basics of coding through projects, machines, and robots that use codes to operate. This camp will show participants several types of coding languages, and let them try out new-found skills through robots, drones, and more!

July 6-10, 2020 Para estudiantes en los grados 5-9

Listo por Valor (en español): Por primera vez, el museo Wings Over the Rockies es orgulloso por ofrecer un programa para niños solamente en español. Este programa se enfoca en aviones de papeles, las cuatro fuerzas de vuelo, y proyectos prácticos para aprender los básicos de aviación.

July 13-17, 2020 Students in grades 9-12

Engineering for Space Design: Designed for older campers, this is a simulation of the rapid prototyping processes that might be used to address specific needs for astronauts, Martian colonists, and other pioneers. Participants will design, model, and render elaborate 3D scenes, and will have a chance to 3D print an object of their choice.

July 20-24, 2020 Students in grades 9-12

FPV Drone Racing: The Virtual Summer Drone Racing Camp is open to a range of talents, where campers will be introduced to First Person View (FPV) drone racing fundamentals, getting their feet wet, and being able to participate in FPV drone race competitions. You will learn about components that make up the drone system, learn to fly in Acro and Angle, practice drone platforms, properly set up profiles (multiGP and SIM profiles), AMA membership, and learn what equipment and tools one will need at an in-person race. Camp concludes with a multiplayer race competition. Drone controller and AMA membership included in the camp. Led by an FPV Drone Racing pilot who has competed in multiple racing competitions, including the DRL qualifying Sim competition held in Las Vegas Nevada and a Commercial Drone business owner, the world of virtual drone racing has never been more exciting!

July 27-31, 2020 Students in grades 6-8

Pilot Pursuit: Led by a Certified Flight Instructor, this camp will introduce the fundamental knowledge areas of piloting. It offers a combination of hands-on and virtual activities to accentuate daily themes: airplanes, aerodynamics, weather, airports, and navigation. By the end of the week, campers will know if they want to pursue the prestigious title of Pilot. *Pilot Pursuit can be seen as a Part II to the "Aspiring Aviators" camp, but is designed to stand alone. "Aspiring Aviators" provides a broader scope to the aviation world, and "Pilot Pursuit" is more pilot-specific.*

July 6-10, 2020 Students grades 6-8

Art of Aerospace: During this novel camp, participants will have the chance to develop their artistic skills, learning techniques for perspective drawing, photography and 3D-modeling and rendering.

Application deadline: June 15, 2020.

Limited scholarships! Apply NOW!

APPLY HERE: [Summer Air & Space Camp Registration](#)

Notification of acceptance or nonacceptance will be not later than June 16, 2020. For more information, contact Laura Percival, MISTEM Director at percival@copesd.org