Flite Test STEM

EDUCATING
EMPOWERING
ELEVATING

The Next Generation of Innovators

ftstem.com

Vision

Flite Test STEM is the gateway to the world of flight. Our K–12 curriculum connects science, technology, engineering, and mathematics (STEM) through immersive, hands-on projects. By fostering creativity, collaboration, and real-world problem-solving, we prepare students with the essential skills to thrive in the 21st century.

Why choose Flight for your STEM class?

FLIGHT naturally captivates and engages students, building anticipation and excitement as they learn to design, build, and fly their own creations. Our projects inspire critical thinking, teamwork, and creativity while introducing career-building principles of engineering and innovation. This learning journey is not only educational but also fun, inspiring, and immensely **rewarding!**

About Flite Test

Established in 2010, Flite Test was created for people passionate about flight. They are the dreamers and engineers that get a thrill from the first launch of a maiden flight. Flite Test will personify the beginner and the veteran alike, giving them a chance to share common experiences with others.

About Flite Test STEM

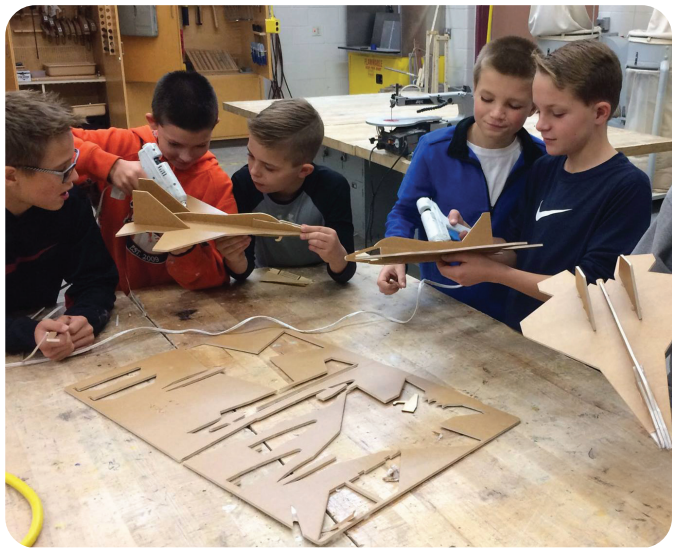
The Flite Test STEM initiative launched in 2015 in response to growing demand from our community. By combining our innovative designs with the expertise of some exceptional instructors, we developed comprehensive, standards-based curricula and introduced a groundbreaking remote classroom platform. This provided teachers and students with unparalleled access to a vast library of lessons, plans and materials.

Our headquarters, manufacturing, and fulfillment center are located at Edgewater Airpark near Minerva, OH. This scenic, open-ground location offers an ideal setting for STEM activities and provides aviation enthusiasts with opportunities to test their skills. Take advantage of our team's expertise, participate in activities at the Pilot Institute, and enjoy flying uniquely designed aircraft in a perfect outdoor environment.

Career path

Our STEM program offers a wide variety of designs and challenges, guiding entry-level students from building and launching their first glider to tuning and racing advanced, high-performance FPV multi-rotors. Numerous engineering concepts, applications, and flight principles are incorporated throughout our catalog to provide a clear development path with progressively more challenging projects.

Our packages include everything needed for a class to succeed while allowing teachers to customize their approach. Each project includes aircraft build kits, lesson plans, instructional videos, project guides, quizzes, and more. Additionally, we offer a remote learning platform for teachers who want to host online classes and create custom lessons.



Experiential Learning

Students are encouraged to learn by doing, with the program providing opportunities for them to design, build, and fly their own RC aircraft. This approach helps to develop critical thinking skills, problem-solving skills, and a deeper understanding of flight concepts.

Collaboration

Many of the projects are designed to be completed in groups. This approach helps students develop communication skills and learn to work effectively with others, which is critical for success in many other fields.

Trust

With a passionate worldwide community numbering over 400,000 members, Flite Test's passion for flight and dedication for teaching have inspired generation to explore, experiment and pursue their dreams - either as flight enthusiasts or becoming professionals in the field.

Local Manufacturing

Our dedicated U.S.-based teams oversee everything from product design to content development. Manufacturing and fulfillment are expertly managed at our outstanding facility at Edgewater Airpark near Minerva, Ohio, which is also home to Flite Test headquarters.

Knowledge

Flite Test is widely recognized as a leader in promoting and making flight accessible to everyone, fostering knowledge, creativity, and a love for flight.

US Based Support

Across the country, Flite Test STEM representatives provide educators with expert guidance, professional development, and tailored support to meet their unique needs.

Our STEM Offering

LEVELS K-6 / PROJECT EZ

Introduce young learners to the basics of aerodynamics and problem-solving through fun, hands-on activities guided by our Engineering Design Model principles, while developing early flight skills and adhering to safety guidelines.

LEVELS 6-8 / MIDDLE SCHOOL

Students are introduced to or expand on aerodynamic concepts and aircraft build techniques to solve increasingly complex problems with the FT-EDM process while reinforcing flight skills and safety.

LEVELS 9-12 / HIGH SCHOOL

Students expand on aerodynamic concepts, build techniques, and complexity of problems to solve with the FT-EDM process. with an emphasis on original designs.

Teaching Environments

Classrooms

From single-day activities to comprehensive courses, our curriculum integrates seamlessly into K–12 standards, helping students build STEM expertise through DIY projects.

Home-based Educators

With its flexible structure and wealth of online resources, Flite Test STEM is ideal for families, individual learners, or homeschool groups, making at-home education engaging and interactive.

Summer Camps/After School Programs/Group Events

FT STEM provides a variety of activities for single-session, short-term, or extra-curricular events where the emphasis is on developing students' love of STEM, problem-solving skills, and building relationships with others who are excited about the world of DIY model aircraft and drones.

Professional Development

In a two-day professional development opportunity, gain a broader understanding of how FT STEM fits into your everyday teaching from unit design to remote controlled building and flight training in both fixed wing and multirotor platforms. Explore how the natural progression of FT STEM in your classroom can empower your students to utilize a new system of tools and technology fostering critical thinking in design with personalized problem solving opportunities.

FLITE TEST STEM

“Their professional development for STEM teachers is top-notch”

ST. LOUIS UNIVERSITY HIGH

“Flite Test, along with their staff are making instructional lessons in flight not only accessible but also teacher friendly. Their commitment to providing educational resources to those interested in flight is unparalleled, and their professional development for STEM teachers is top-notch. They are all great teachers of aeronautic technology, and best of all, they are students of flight technology as well as learning all they can to make the world of flight more available to other students.”

Bradley Mueller - STEM Teacher

“This program is what has driven me to pursue aerospace engineering.”

University of Colorado Boulder

“The FT STEM program has done so much for me in the past years. This program is what has driven me to pursue aerospace engineering. Beginning with the middle school program, and now finishing with the high school program has been so much fun. The opportunities I have been given from FT STEM have been ones I will never forget. From helping kids build their own planes, to being invited to a police/SWAT training for my senior project. It has prepared me for college level and now Lockheed Martin.”

Danny Liebert Former - FT STEM Student - Project Engineer at Lockheed Martini

“Teachers taking flight gave me further insight into the depth of the Flite Test STEM program”

BOEING

“FT STEM utilizes a process that integrates engineering models with design thinking allowing students to learn and practice twenty-first century executive and STEM skills essential for student success after high school. Teachers taking flight gave me further insight into the depth of Flite Test STEM program and community, which is deeper than I imagined.”

Scott Cary - STEM Teacher - Grades 6-12 Seattle Washington - Boeing

Visit **ftstem.com** to learn more
or contact us at **support@ftstem.com** to speak with one of our STEM specialists.