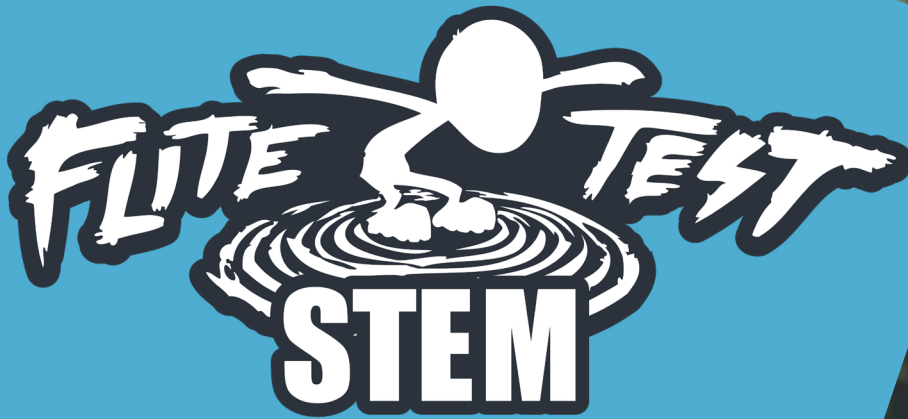




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[flitetest](https://www.youtube.com/flitetest)





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 veteran and the beginner alike giving them a chance to share common experiences with others, in turn, enhancing the RC community. The goal is to develop a creative outlet that allows us to work in our passion daily. Flite Test is designed to empower our audience and we hope to entertain, educate and elevate our viewers as we move forward with quality content.



OUR FT STEM TEAM



JOSH BIXLER

FLITE TEST PRESIDENT

Passion for flight and STEM education, Josh has leveraged our industry leading Flite Test platform to promote and bridge the hobbyist and education communities through DIY scratch build aviation.



JAKE MARSHALL

CURRICULUM DIRECTOR

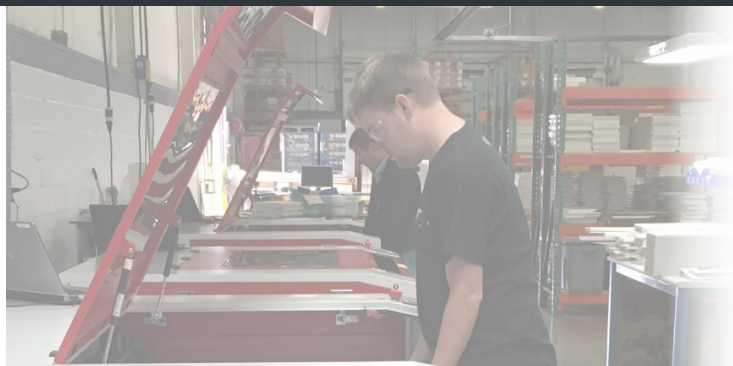
Author of FT STEM and a current teacher in Longmont Colorado, Jake has integrated STEM through the lens of flight to create authentic learning opportunities for students across the country.



TREVOR SILL

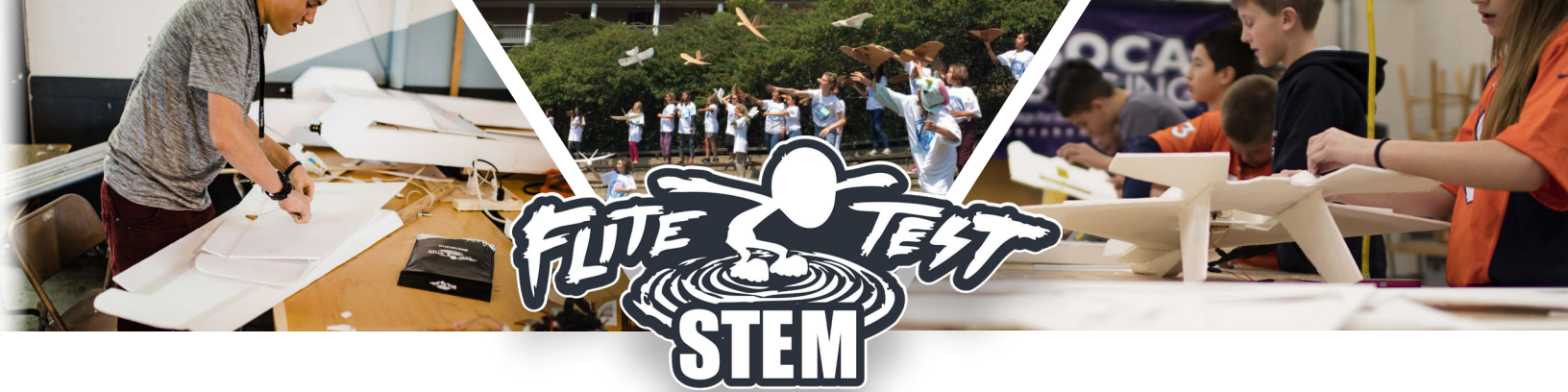
FT STEM SUPPORT

FT STEM public/home school implementation master and current teacher in the state of Washington, Trevor strives to support teachers as they pursue DIY flight in their classrooms.



FLITE TEST MANUFACTURING

Lean manufacturing at its finest, the Flite Test Product Fulfillment Team strives to have your classroom orders shipped correctly and quickly so your students can get their designs in the air.



FT STEM is the gateway to the world of flight. Our K–12 curriculum teaches science, technology, engineering and math (STEM) principles through hands-on aircraft activities. FT STEM stresses critical 21st-century skills such as communication and teamwork developed through engineering and design thinking strategies. The world of radio-controlled (R/C) flight teaches valuable lessons that generate excitement, innovation and creativity, empowering students to reach new heights in their learning.

Over **2,000** enrolled FT STEM students utilize our engineering design model that blends all four STEM content areas into one, building skills needed for real-world problem solving.



Over **600** enrolled FT STEM Teachers have access to an interactive online hangar that provides the ability to create and manage unlimited classrooms and students, as well as grade level lessons and a lesson developer to create their own.



CURRICULUM



UPPER ELEMENTARY (grades 5-6)



MIDDLE SCHOOL (grades 7-8)



LOWER ELEMENTARY (grades K-4)

FT STEM provides FREE four sets of combined grade level appropriate curriculum overviews that communicates suggested unit - lesson implementation, associated National STEM Standards, and Flite Test products to help guide and support future class planning opportunities for educators. We are proud to announce that the FT STEM curriculum is being used not only in the USA, but in Germany, Australia, and other countries due to the curriculum's main standard adoption, ISTE (International Society for Technology in Education). Try FT STEM for FREE today by going to www.ftstem.com.

OUR RESOURCES



PROGRAMMING

Stand alone classes are becoming harder to come by as school districts look for a stronger end product when it comes to developing out programs. Having a clearly defined pathway for students can strengthen participation, increase enrollment, and push for a more rigorous curriculum. With our K-12 curriculum, school districts have the opportunity to easily map out a comprehensive Drone Tech Pathway for their students, preparing them for a variety of fields in engineering and STEM jobs of the future.

Possible district example for a UAS (Unmanned Aerial Systems) Pathway

Note: Name of courses are suggested and not official course identifiers.

UAS Discovery

- Entry level aeronautical program for grades 3-5 learning about the basics of flight, drone ethics, and beginning level engineering.

UAS Intro to Engineering

- Utilizing fabrication lab equipment and CAD software, students will learn about taking an idea and making it a reality by student led research, design, create, and testing of entry level UAS platforms.

UAS Safety, Law, and Application

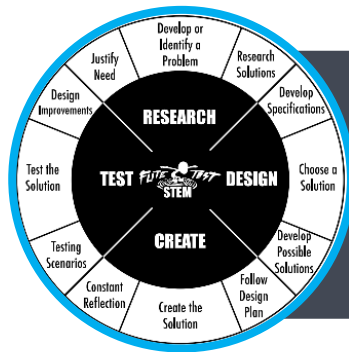
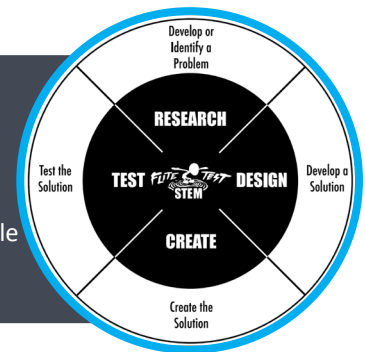
- Students will engage in industry level content and application, engineering and operating UAS platforms for a purpose and earning an industry FAA Part 107 Certification. CTE Credited!

DESIGN THINKING

Design, or the “The Process,” as Flite Test calls it, is the foundation of the development of new technologies. Design is the driving force that forms our societies, and it guides how we see and process information, adapt to our surroundings, communicate and solve problems. The design process leads us to plan, create and test as we push for constant progression in the workings of our lives. Flite Test design requires the use of the FT-Engineering Design Model (FT-EDM) as a tool, which provides the approach used to structure the research and analysis of problems, the development of possible solutions, creation, and the testing and evaluation of the solution. See our four grade level cluster design models.

LOWER ELEMENTARY LEVELS K-3

Students focus on basic usage of the four FT-EDM stages, creating simple problems to use the process to develop a solution.

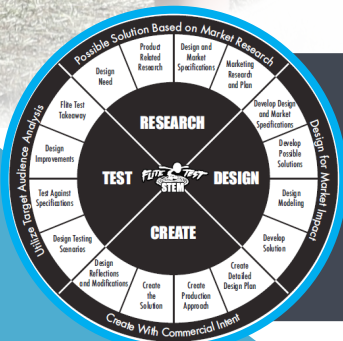
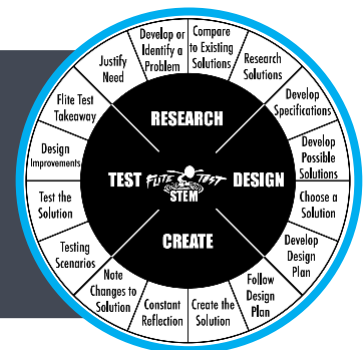


UPPER ELEMENTARY LEVELS 4-6

Students begin utilizing more tools of each stage of the FT-EDM, creating opportunities to expand their design thinking process.

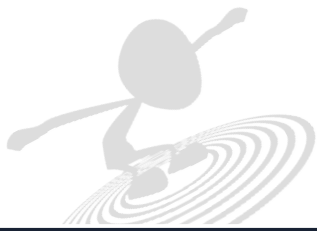
MIDDLE SCHOOL LEVELS 6-8

Students use extended FT-EDM procedures within their FT STEM online Design Brief, incorporating CAD drawings, project pictures and videos, and an in-depth final solution reflection.



HIGH SCHOOL LEVELS 9-12

Unlike the Elementary and Middle School level FT-EDMs, the HS FT-EDM incorporates the market lens and its influence on the product and how it should be designed.



CUSTOMER TESTIMONIALS



"I am very excited to use the FT STEM curriculum to give my students with special needs access to not only the STEM concepts in an accessible and engaging way, but to also practice with the employment/job skills element that will be necessary for success in their future."

Noah Dennis
Special Education Teacher
East Canton High School



"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 engineering classes."

Danny Liebert
Former FT STEM Student
Aerospace Engineering Undergraduate at the
University of Colorado Boulder



"FT STEM allowed me to see how we can bring the most advanced technologies and sciences, and simplify it to something that younger kids can learn about math, physics, and forms of engineering, as well as leadership skills, such as teaching someone to fly or build. Building foam airplanes also taught me that everything takes practice, and time to learn. The growth from my first plane to my next taught me to keep at what you love to do, no matter how many failures you encounter. FT STEM taught me that failure doesn't mean the end, just another opportunity to improve and learn."

Scott Bragg
Former FT STEM Student
Embry Riddle Aeronautical University Graduate

I would like to thank the entire Flite Test family and community (the employees-James Bixler, the FT forum, and especially the Flite Test Fans on Facebook). I received word from my administration that my FT-STEM program could be shut down and I would not be able to use the grant money that I received for the program, unless if I wanted to argue the case in front of the school board. I had less than a week to gather my materials to make my presentation. I received an overflow of help and support from the FT staff and community, ranging from phone calls, testimonials to be included in my presentation, offering to come out to my school, and well wishes. I gave my presentation, had most of my students show-case their work (with their parents in the audience), and put the foam RC planes into the hands of the board members. In the end, all of the school board members voted unanimously for me to continue this STEM program, use the school grounds to fly, and expand upon the program in the future. A couple of the board members also went on record that our school needs more programs like this and how appreciative they were to see the work and progress of the students and wish to see the class progress in the upcoming years. I cannot thank everyone enough. Since my presentation couldn't have happened without all of the input from everyone, I would like to offer my presentation to anyone who may need it to start up their own Flite Test STEM course within their own school or organization. On behalf of myself and students, thank you for saving our class and making such a strong impact upon my students.

Dwight Souder
FT STEM Teacher
Crestview High School



The Flite Test product line integrates easily within the FT STEM curriculum. Enrolled teachers receive 15% off DIY air planes, multirotors and curriculum accessories. When students push further into the curriculum, teachers will have access to 15% off all electronics to accommodate their student design needs. Typical first year costs are provided below for each grade level curriculum with consumable and one time equipment only costs. For more information please see store.flitetest.com or email at support@ftstem.com

LOWER ELEMENTARY

\$100 to \$500 40 to 80 Students

Class starter package includes a one year FT STEM curriculum subscription, a classroom set of gliders and building supplies.



UPPER ELEMENTARY

\$500 to \$1,000 40 to 60 Students

Class starter package includes a one year FT STEM curriculum subscription, a classroom set of gliders, entry level set of powered flight kits and building supplies.

MIDDLE SCHOOL

\$1,000 to \$4,000 30 to 60 Students

Class starter package includes a one year FT STEM curriculum subscription, a classroom assortment of powered aircraft kits, multirotors, and building supplies.

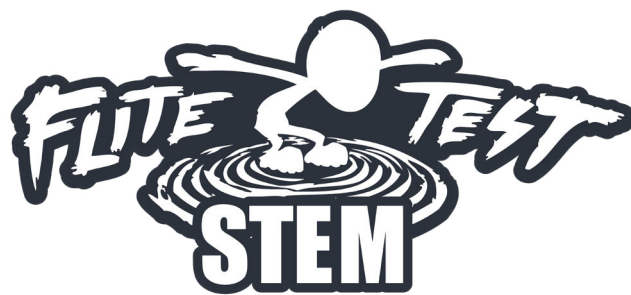


HIGH SCHOOL

\$1,000 to \$7,000 25 to 50 Students

Class starter package includes a one year FT STEM curriculum subscription, a classroom assortment of powered aircraft kits, multirotors, and build supplies. Custom itemized purchase orders can be created to best suit your classroom needs.





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www.ftstem.com