



**FUTURE READY
INSTITUTES**
of Hamilton County

Institute of Aviation

The Institute of Aviation at Brainerd High incorporates the career-technical education programs of study for aviation flight as well as maintenance and light repair. The curriculum includes learning the principles of flight, access to using a flight simulator, use of drones, engine work and repair, general maintenance, and larger problem solving regarding engine work. Students

may want to learn to be a pilot or become certified to work as a mechanic, but there are many other distinct jobs within the aviation field such as counter work for an airline, handling baggage, security, hospitality on board airplanes, painting or upholstery work on aircraft. The established advisory board for this institute includes the Chattanooga Airport, Westar Aviation, Wilson Air, Crystal Air, Chattanooga State, Adventure Sports Innovation, and EEO. Students in this institute will understand that learning does not occur in discrete classrooms, and open their eyes to the global possibilities that will impact their current learning and their future careers.

"I am excited that I have the opportunity to share my passion for aviation with the Brainerd Community, hopefully inspiring a future pilot, air traffic controller, or maintenance technician to achieve their goal."

-Scott Dubee, Aviation Instructor

"The future of Aviation sits in the Brainerd Institute of Aviation classrooms. The Aviation Field is wide open for our students. It is time for them to reach for the sky."

-John Naylor, Chattanooga Airport

"My aviation class is so important because it influences me in a dream career."

-lyana; Student

Brainerd High School

www.hcde.org/fri

@HCSFutureReady
@FutureReadyBHS

Career Technical Education Pathways:

Aviation Flight- The sky is the limit for students in this pathway! Students will learn the principles of flight through hands on experiences in the classroom and beyond as they prepare for a variety of career options as a pilot, engineer, or drone technician.

Automotive Maintainece Light Repair- Students in this pathway will progress from the basics of repair and maintenance through theory and practical experiences to industrial certifications using state of the art equipment.

Student schedules will consist of both Future Ready Institute classes as well as the opportunity to take a variety of classes offered by the particular high school in order to fulfill all graduation requirements. This is the 4 year plan for the student's institute classes only. *DE= Dual Enrollment *IC= Industry Certification

FRI Pathway(s)	Year 1	Year 2	Year 3	Year 4
CTE	Introduction to Aerospace -and- Maintenance and Light Repair I	Aviation I: Principles of Flight	DE: Aviation Flight	WBL
		Maintenance and Light Repair II	DE: Automotive Maintenance and Light Repair IC: Precision Measurement Instruments Certification	WBL
Core Classes	English 9	English 10	English 11	English 12
	Algebra 1	Geometry	Algebra 2	Bridge Math

Brainerd High School

1020 Moore Road
Chattanooga, TN 37411
(423) 855-2615

Principal- Mr. Christopher James
Institute Lead Administrator-
Mr. Glenn Perry

FRI Coordinator- Jeanette Tippett
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FRI Opportunities:

- Access to scholarships to obtain pilot's license
- Remote pilot certification
- Aviation explorers
- Drone club: Building drones & Drone competitions
- Field experiences
- Industry certification
- Classroom flight simulator
- Advanced Placement
- Dual Credit
- Dual Enrollment

Partners

