



Mission of the KIAE

The mission of the Kentucky Institute for Aerospace Education (KIAE) is to improve student learning in science, technology, engineering and mathematics (STEM) and create career pathways in aerospace throughout the Commonwealth of Kentucky.

Ten Standards of KIAE Schools

KIAE Summer Institute	Facilitators from KIAE Network schools meet at ECU for training in June.
FAA Ground School	Aeroscholars, a high school aviation science course is one option. www.aeroscholars.com
Build A Plane Member	The non-profit organization looks for real aircraft for schools and other education organizations. www.buildaplane.org
Flight Simulation	Provide flight simulator and controls for students to simulate real flight maneuvers.
Engineering	Each school creates a Wing Design Team. NASA KY and UK College of Engineering provides learning materials and resources for schools to build a RC aircraft with a wing designed by students.
Airport Collaboration	Work with local airport to develop ways for students to connect to aviation community in areas of flight, aircraft maintenance and aeronautical engineering.
KIAE Fall Meeting at the KAA Conference	Students and facilitators are invited to the Kentucky Aviation Conference to take on some sessions, network with other students, and learn about the programs being implemented during the year. This event occurs on the final day of the KAA Conference in the month of September.
Skills USA Aviation Contest	Network schools will send a team of four students to take an aeronautical knowledge test, preflight of aircraft, cross country flight plan, aircraft recognition, and flight simulation. This contest is in late February
Wing Design Competition Fly-off	WDC Teams from network schools will meet at a common location to demonstrate how their aircraft performs according to the rules of the competition. Awards will be provided after the event has completed.
Young Eagles (EAA)	Students will participate in EAA's Young Eagle program. In Young Eagles, students from ages 8-17 are provided free orientation flights. The website is www.youngeagles.org