



YOUR JOURNEY BEGINS AT **THE NATIONAL FLIGHT ACADEMY** AMERICA'S PREMIER STEM ACADEMY

The National Summer Transportation Institute is pleased to offer students an experience of a lifetime this summer, at the National Flight Academy in Pensacola, Florida! Selected students (7th-12th grade) will attend a dynamic six-day, five-night program at the National Flight Academy during one the week of July 22-27, 2018.

What is the National Flight Academy?

The [National Flight Academy](#) is an interactive, immersive learning adventure that focuses on inspiring youth to take a greater interest in Science, Technology, Engineering and Mathematics (STEM). The NFA was created to address the serious concerns of declining STEM skills and standards in our country.

Located on Naval Air Station Pensacola, the NFA is an educational program authorized – but not financially supported – by the United States Navy. Built solely with private funding from corporate sponsors and community partners, the NFA opened in 2012 with the mission to engage and inspire students to pursue challenging STEM-related coursework. The NFA falls under the umbrella of the National Naval Aviation Museum Foundation, a not-for-profit 501(c)3.



Since inception, over 10,000 students from 50 states and seven countries have experienced the unparalleled learning adventure aboard *AMBITION*, a state-of-the-art program housed onboard a 100,000+ square foot virtual aircraft carrier. Attendees – known as *AMBITION* eXperimental Pilots or AXPs – plan missions with ultramodern, advanced technology, learn to fly in 42 networked flight simulators, eat on a mess deck, sleep in staterooms and receive mission briefings in six fully electronic ready rooms. Mission planning is conducted in Joint Intelligence Centers (JICs) using modern interactive learning technology. The missions flown are humanitarian in nature and do not involve weaponry.

Six-Day Deployment

The NFA's capstone program is a 6-day, 5-night Deployment for 7th to 12th grade students. The program begins on Sunday at noon and ends on Friday at noon with a graduation ceremony. While living aboard the *AMBITION*, AXP's are enveloped in a virtual world – the centerpiece of which is the X-12B Triad experimental aircraft powered by Lockheed Martin's Prepar3D simulation software. AXP's apply science and mathematics skills while planning missions utilizing large SMART boards powered by Google Earth technology. Mission scaffolding is utilized, making each assignment more challenging than the one before.

Participation in the *AMBITION* six-day deployment is free to winners of this scholarship and includes all aspects of the experience – housing, meals, instruction and access to state-of-the-art technology. This cost will be covered by Delta Air Lines. Parents or participating organizations will be responsible for coordinating and funding travel expenses to and from the National Flight Academy in Pensacola, FL. Early arrival and airport pick up/drop off at Pensacola Regional Airport is available for an additional charge.



What is a typical day like onboard *AMBITION*?

- Wake up Call (Reveille) is at **6:30 A.M.** – everyday, except Friday when AXP's get to sleep in until 7:00 A.M.
- Morning 'off of ship' (*out of the NFA building*) excursions occur daily and are spent on the grounds of the Naval Air Station where AXP's will learn about Aviation and visit sites like the Air Traffic Control Tower, the National Aviation Museum or go to the flight line to watch the Blue Angels fly.
- Campers stay in staterooms holding 6 youth in a similar age range.
- Campers will be presented Missions given to their Squadron, using the latest in technology AXPS with the guidance of their Facilitators (Instructors) and Chiefs (Camp Counselors) will use math, science and the latest in technology to make individual and group calculations on things like flight headings, fuel usage, calculated times, distances and flight directives.
- Working as a team and being group oriented and working with other campers happens all day long, every day. An AXP attending should expect to spend up 6-8 hours a day in flight and flight preparation.
- AXP's will have three formal meals a day, they will have designated times where they can use their phones and devices and will have a game-room and some downtime daily to spend in this capacity. AXP's however need to be aware that the majority of time will be spent actively in Missions, Mission planning and morning off-ship excursions.
- **Lights Out will be between 10:00 to 11:00 P.M.** – showers, snack machines and game room are all in the Berthing area. NFA has a strict lights out policy and lights out and quiet time is enforced.

For a glimpse of one of our 2017 "Delta Deployments," click here for a short NFA video:

<https://www.youtube.com/watch?v=U2nER7MIO7I>

For additional information on the NFA program and this scholarship opportunity, please contact Cassie Redmyer, Director of Administration, at credmyer@nationalflightacademy.com or at (850) 308-8936.