



Welcome to AeroStar News

Thanking Our Lucky Stars

Hello AeroStar Family, Friends & Colleagues!

This is the season of Thanksgiving, and AeroStar is exceedingly grateful to our partners, donors, and AeroStar family for your generous support this year!

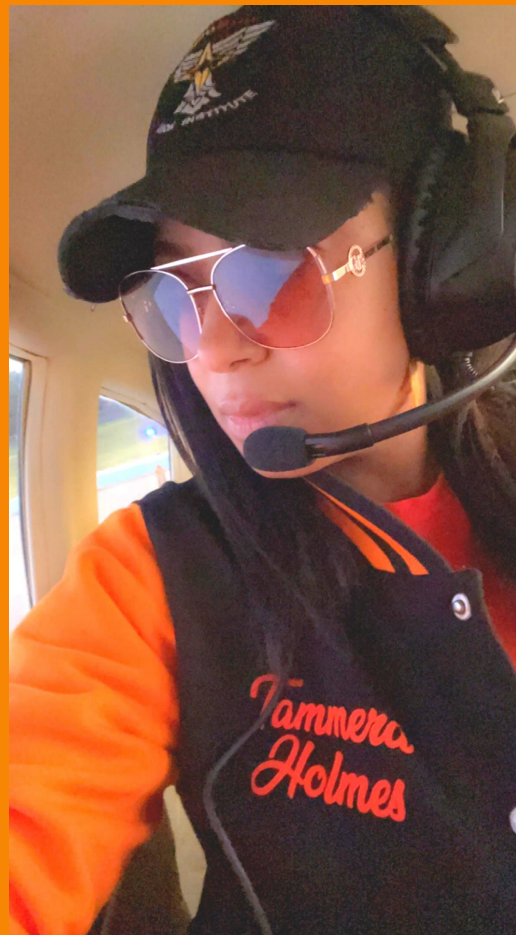
We are thankful for our parents who continue to trust us to guide their children to the skies and beyond! We are thankful for our AeroStars who catch the vision and soar into new beginnings each program cycle. We are thankful to Team AeroStar for their commitment to our students, families and collaborators as they continue to serve with excitement and inspiration!

Look how far we have come in 14 years! From school career days and speaking engagements in small classrooms, to nearly 12,000 youth and young adults across Illinois, Indiana and even countries across the globe, impacted by our programs and events!!!

We are the first full K-Career aviation talent pipeline organization in the World and we are incredibly proud to offer FREE and SIGNIFICANTLY REDUCED programming to underserved populations. That is only possible by your generous support!

Our expertise is now sought after from academic institutions, trade schools, industry employers and parents across the nation and parts of the world where aviation is a burgeoning industry. Our work is needed now more than ever as Boeing forecasts the need for 2.1 million aviation professionals worldwide in the next 20 years!

WE THANK OUR LUCKY STARS FOR HAVING THE COURAGE AND AUDACITY TO CHALLENGE THE STATUS QUO AND PROVIDE ACCESS TO STUDENTS WHO HAD BEEN OVERLOOKED AND COUNTED OUT! THEY ARE SOARING BECAUSE OF YOUR BELIEF IN THEM AND IN OUR MISSION.



We cannot continue this work without you! Please consider making a donation to support The AeroStar Avion Institute as we elevate to our next level of growth. Our altitude to gratitude is steadily increasing as your support lifts us to higher heights! **GIVING TUESDAY IS NOVEMBER 29TH**, but you can contribute to our campaign to raise \$10,000, TODAY! [Give Wings Now](#)

Donate cash, in-kind services, and sponsorships [HERE](#). Collaborate and volunteer (click [HERE](#) to volunteer). Support AeroStar and the future of aviation. Please contact me today at Tholmes@aerostarcorp.com for branded sponsorship opportunities.

Thank you for Giving Wings to Dreams!

Tammera L. Holmes
President & CEO, AeroStar Consulting Corporation
Founder & CEO, AeroStar Avion Institute NFP

#BoeingInspires #GoodLeadstheWay #AeroStarAvion #WingstoDreams







Save the Date
Giving Tuesday is
November 29, 2022
Help support AeroStar Avion
Institute - international award
winning Aviation program
avioninstitute.org

**Help us
Give Wings
to Dreams**



Goal
10,000

9000
8000
7000
6000
5000
4000
3000
2000

Giving Tuesday is one week away! AeroStar is grateful for the contributions that we have already received, but there is much more to be done. Now through November 29, 2022, you have an opportunity to give a gift to support resources, events, programs, and more. Our Giving Tuesday goal is \$10,000. Please ***Give Wings to Dreams*** today.

[CLICK HERE TO GIVE WINGS](#)

FAA Youth Aviation Task Force Report Makes 21 Recommendations to Secure Future Aviation Workforce

"To have served on this Task Force is truly a culmination of my life's work to this point," says Tammara L. Holmes, of AeroStar. "For decades, our organization has been in the trenches implementing new and innovative ways to attract and retain diverse talent from underrepresented groups while aviation has remained more than 90% white and male for 120 years. The time is now, and the urgency is here to remove barriers to entry for women and minorities, while increasing the critical talent pool necessary to support America's global impact on the world's premier transportation system."

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### Article by Kathryn Creedy

"The Youth Access to Aviation Jobs in America Task Force (YIATF) set out the herculean tasks needed to turn the great recommendations from its just released report into reality. Reading the YIATF report is as daunting as it is hopeful, but no one said this "moon shot" would be easy.

But to get recommendations done will mean industry reform as well since it is one of the biggest obstacles. Industry has called for workforce development programs for years usually pointing at someone else to do the heavy lifting. It, however, must understand we cannot rely on "someone else," but must gather our forces to what needs to be done ourselves. With its many recommendations, industry must now take up the gauntlet because we know we can do it. All we need is organization.

A key conclusion, the 21-member Task Force found was, as suspected, waiting until high school is too late, recommending education start by age 10, and again reinforcing the message at late high school when students are turning interests into career ambitions."

**Read the full article [here](#).**

**To view the full report, please visit [here](#).**

**To watch the final public meeting, [click here](#).**



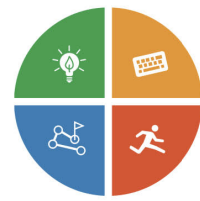
### Youth Access to American Jobs in Aviation (YIATF) Report



Presented By YIATF Task Force



## Summary of Recommendations



### Early Awareness and Engagement

1. Fund libraries to provide aviation and aerospace books and media
2. Provide in-person engagement whenever possible and develop written materials on aviation and aerospace for school staff and teachers
3. Develop turnkey afterschool aviation and aerospace activities
4. Launch early outreach to future teachers and guidance counselors
5. Empower teachers to ignite student interest
6. Meet the students where they are with gaming and social media
7. Industry stakeholders can sponsor student competitions

### Information Access

8. Create a one-stop aviation/aerospace information portal
9. Create a "virtual counselor" component on the site

### Collaboration

10. Create industry advisory councils
11. Tap the power of college and career readiness platforms
12. Significantly increase the mentoring, pre-apprenticeships and apprenticeships available to grow future employees
13. Build educational outreach to underrepresented groups at Minority-Serving Institutions, community colleges and technical institutions
14. Dual enrollment programs between high schools and colleges/universities as well as workforce development grant programs create well-aligned pathways.

### Address Financial Hurdle

15. Decrease the cost of flight training by increasing the allowable simulator time for pilot certification
16. Increase the maximum Pell Grant for students
17. Develop a national aviation scholarship program
18. Implement a multi-faceted aerospace workforce development program
19. Increase donations to aerospace education programs by increasing the corporate tax benefit
20. Aviation and aerospace companies could consider several different financial options to assist in bringing underrepresented groups to the sector
21. The FAA should review its regulations and guidance related to technical proficiency of industry personnel and certification standards as well as update its own practices for managing and developing government human resources

## Recent Events



## AVIATION DAY 2022

On November 4, 2022, AeroStar and Boeing collaborated once again for a star-studded Aviation Day at B. Coleman Aviation, who generously donated the beautiful executive hangar for the event! There, we introduced inner-city youth from Gary, Indiana and

Chicago's South Side, to the aviation and aerospace fields. Aviation professionals, aviation college students and mentors shared information on their personal journeys and aspirations that ultimately lead to well-paying, satisfying careers in flight and aerospace. 100 students were in attendance. The event allowed the students to see exhibitions and participate in activities like AeroStar's super popular flight simulators and Boeing's fan fave, stomp rockets. Flight schools came out in full force to entice our future aviators to chase the dream. Our partners at [Southern Illinois University Aviation](#), [Tuskegee NEXT](#), [Lift Academy](#), [Republic Airways](#) and [Purdue](#) were a wealth of resources! [Starbase](#), the [FAA National Black Coalition of Federal Employees](#), the [Gary Area Career Center](#) and [American Airlines](#) also showed up in a big way. The students enjoyed a panel with a charter pilot, two airline pilots and an aircraft mechanic. They also heard an encouraging keynote from Boeing Chief Pilot of Executive Flight Operations, and AeroStar supporter, Mark Jackson! They were able to explore various aircraft and helicopters brought by Lake County Sheriff's Officer and several of the flight schools represented. The event was an all around aviation fest, fully immersing students in career exploration, perspective schools and pathways to soar into.

This event could not have been possible without the sponsorship of the Boeing Global Engagement team under the direction of **Bea, LaKendrick, Karen and the host of volunteers from Team Boeing! Thank you!**

Lunch and beverages were sponsored by generous donors. **Huge thank you to DeAngela Roberson, owner of Elite Surgical Assisting LLC! As well as Kai Jackson and Mary Walker.** Others wish to remain anonymous.

Students get an up close look at the Lake County Sheriff's Helicopter!



First Officer for American Airlines, Shanita Polk, shares her journey to living her dreams as a commercial pilot.

### **"FOOT TO FLIGHT" SEL & WELLNESS WORKSHOP WITH FOOTLOCKER**

On October 21st, Foot Locker partnered with AeroStar and the Chicago Housing Authority for Foot-to-Flight, a Social Emotional Learning and physical wellness activity day. The Simple Good Organization facilitated the SEL portion that allowed the students to understand their emotions in attainable and easy to understand ways through meditation, art, and discussion. Dr. Kara Scott-Dentley acted as fitness facilitator, connecting





physical fitness and mindfulness. She emphasized the importance of positive reinforcement and discipline in the face of adversity. She spoke about determination through self motivation and encouragement. **Thank you to Mac and the entire Footlocker Chicago team as well as the Chicago Housing Authority for helping pull this event together!**

Foot Locker hosted CHA students at their State Street Activation Space! What a Treat!

### FAMILY FUN DAYS WITH ILLINOIS TECH FAMILY & FRIENDS

On October 22nd and October 29th, the Aviation Themed Family Fun Day in partnership with Illinois Institute of Technology (IIT) reached children in grades K-12. IIT Professors paired with Team AeroStar instructors, the Illinois Institute of Technology's Office of Community Affairs held the Family Fun Day series to further promote participation of students in STEM education. Children and participating parents learned about aviation and aerospace engineering through age-appropriate activities, stories, and movies. Families learned about the anatomy of an aircraft, the history of aviation, aviation safety, and space exploration. Faculty from IIT's Armour College of Engineering and AeroStar co-lead each session. **Thank you to our friend Alicia Bunton at IIT community affairs for always having Big Hairy Audcious Goals for us to achieve!!!**



### AEROSTAR CEO AND UNITED AIRLINES HONORED AT THE DUSABLE BLACK HISTORY MUSEUM & EDUCATION CENTER

On October 27, 2022, the DuSable Black History Museum and Education Center hosted its first gala since its name change earlier this year. The **Wings of Celebration** honored a



commitment to education and focusing on future growth through knowledge. Event honorees included United Airlines and award-winning aerospace educator Tammera L. Holmes, among others. **We're sending a special *thank you* to our partner Perri Irmer, Executive Director of the DuSuble.**

*Photo credit: Girls Like Me Project, Inc., Media Correspondent, Tori Robinson-Thomas HS Freshman #GLMPI*



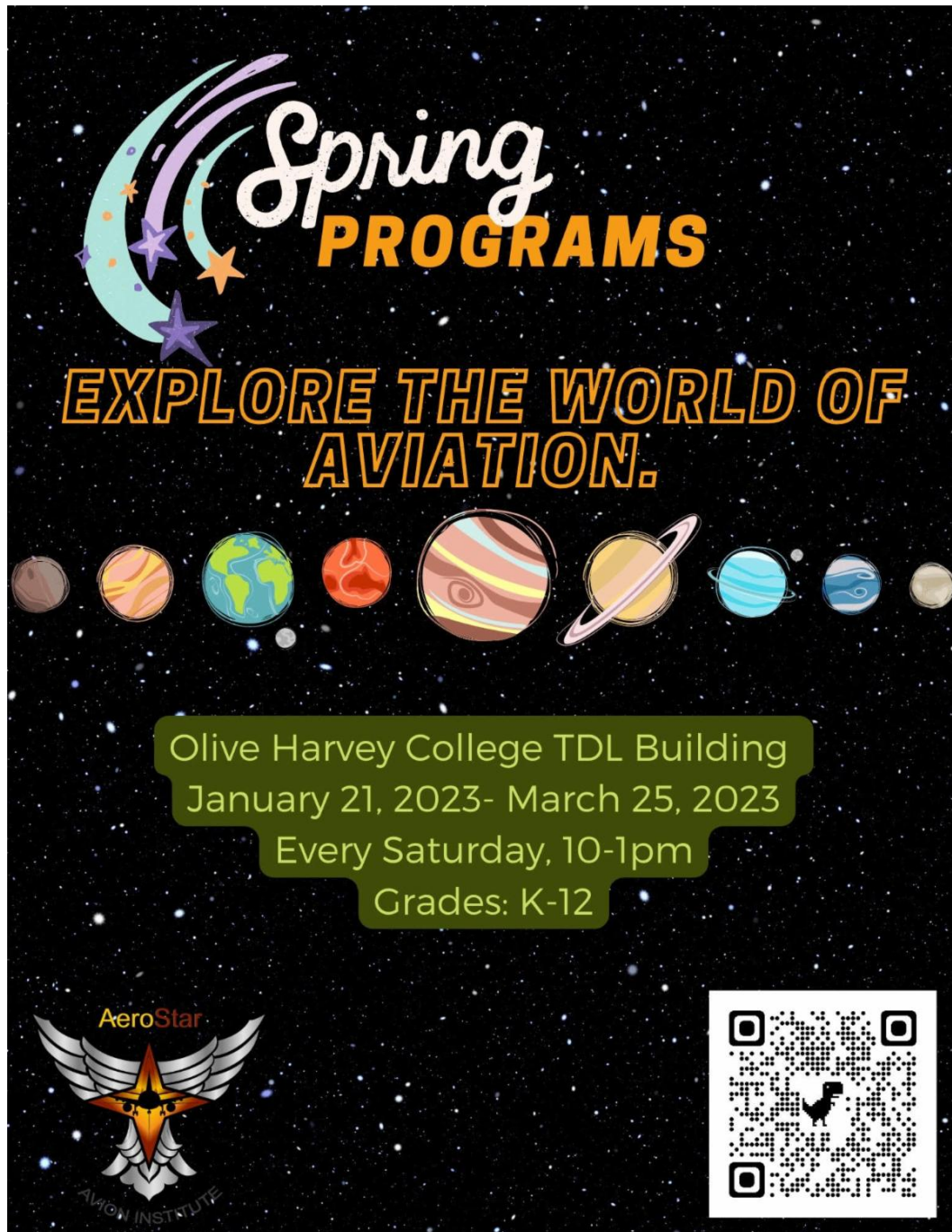
## PURDUE NATIONAL AVIATION SYMPOSIUM

From November 8th -10th, our CEO, Tammera L. Holmes, had the honor of presenting on two panels for the Purdue University National Aviation Symposium. The Purdue University School of Aviation and Transportation Technology convened an inaugural National Symposium to address the rapidly approaching shortage of pilots and aircraft maintenance technicians. Unless these shortages are addressed immediately, the aviation industry will suffer a human resource crisis well into the future. The symposium held at Purdue University in West Lafayette, Indiana hosted representatives from stakeholders within national aviation community including: airlines, manufacturers, associations, labor unions, government agencies, academic institutions and the media. Ms. Holmes facilitated discussions on community-based solutions to aviation workforce issues and demonstrated how our local partnerships in Chicagoland is a model for 3-P (public private partnerships) to solve regional issues. **Thank you to Manoj and Mike who spearheaded the symposium and brought their vision to life!** To see the full agenda, click [HERE](#).



# Spring Program - Register NOW!

Spring programs interest lists are now open! We are excited to have you join us in the Spring for more fun and learning. Saturday sessions start January 21, 2023. Programs are available for students in grades K-12. Fall program is still open for registration, click [here](#) to register now. Follow the [link](#) to let us know your interest in Spring programs! **Olive Harvey College has been home to our programs for the past 3 years! Words cannot express our gratitude for their hospitality and commitment to AeroStar students and families! Thank you Cheryl!!!**




The poster features a black background with a starry space pattern. At the top left, there is a stylized graphic of a comet or meteor streak in purple and blue, with several yellow stars. To the right of this graphic, the word "Spring" is written in a large, white, cursive font, and "PROGRAMS" is written below it in a bold, orange, sans-serif font. Below the title, the phrase "EXPLORE THE WORLD OF AVIATION." is written in a bold, orange, sans-serif font. A horizontal row of ten planets, including Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, and Pluto, is displayed in the center. Below the planets, there are three green speech bubble-like boxes containing the following text: "Olive Harvey College TDL Building", "January 21, 2023- March 25, 2023", and "Every Saturday, 10-1pm". Below these boxes, another green box contains the text "Grades: K-12". In the bottom left corner, there is the AeroStar logo, which features a stylized orange and white star with wings, and the text "AeroStar" above it and "AVION INSTITUTE" below it. In the bottom right corner, there is a QR code.

**Spring  
PROGRAMS**

**EXPLORE THE WORLD OF  
AVIATION.**

Olive Harvey College TDL Building  
January 21, 2023- March 25, 2023  
Every Saturday, 10-1pm  
Grades: K-12

**AeroStar**  
AVION INSTITUTE



## Aviation Job Opportunities

AeroStar is seeking new and dedicated people to join our team. Your support will help the AeroStar Avion Institute train and prepare students to pursue the aviation and aerospace



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### **AeroStar Aviation Instructor**

Part-Time  
Chicago, IL

The primary responsibility of a Program Instructor is to facilitate AeroStar curriculum online (AeroVerse) or in a classroom environment for students ages K through 12th. As an AeroStar Instructor, you will engage in fun aviation, aerospace, and STEM-focused programs and activities.

Submit resume and cover letter to [HR@avioninstitute.org](mailto:HR@avioninstitute.org); CC: [tholmes@aerostarcorp.com](mailto:tholmes@aerostarcorp.com); Subject Line: Program Instructor.

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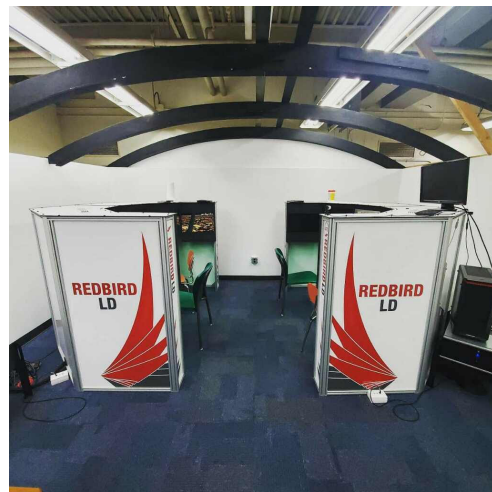
### **Aviation Flight Program Instructor**

Full-Time  
Gary, IN

The Aviation Instructor for the Gary Area Career Center will be the primary instructor for students to receive FAA certified level training provided they successfully complete the program. The instructor accomplishes this by providing students with a program of study that teaches required program skills, develops employability skills, and reinforces academic skills through the use of rigorous curricula. The Instructor will also handle all responsibilities associated with the High Tech Flight Simulator Laboratory, including program coordination, school-wide integration/collaboration, and special events/workshops/classes. The instructor will also handle coordination of flight simulator hardware and software routine maintenance, repairs, and updates. Apply [HERE](#).

#### **QUALIFICATIONS**

- CFI or CFII
- Be 18 years of age or older.
- Hold either a commercial pilot certificate or airline transport pilot certificate and an instrument rating.
- Have logged at least 250 hours of flight time.
- Hold a valid FAA 3rd Class Medical Certificate (or higher)
- Bachelor's degree from an accredited college or university AND 2,000+ hours of department-approved, aviation-related work experience, OR; No degree and 8,000 hours of department-approved, aviation-related work experience
- Complete Work-based learning Instructor requirements as directed by Indiana Department of Education: for selected candidate, certificate will be applied for by Gary Community Schools



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## **Start Flight Training - Apply Now!**

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The **Tuskegee NEXT Summer Flight Program** is open for applications! It is a full-time, residential program in the Chicago area that runs from mid-June to mid-August. It is open to applicants between the ages of 18-20, whom have completed their junior year of high school

with a minimum 2.75 GPA. Tuskegee NEXT seeks to provide role models and a clear path toward aviation careers through Flight Training, Life Skills, and Educational Assistance. The Tuskegee NEXT Summer Flight Program Application Deadline is December 31. Apply [HERE](#).



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The **AIM HIGH Flight Academy** is a 3-week introductory flight training program for high school students aged 16-18 years old. Our goal is to inspire these students through flight to pursue aviation careers. There is no military obligation attached to the program. They are exposed to Air Force Aviator mentors who will show them the pathways to becoming an Air Force officer and aviator and guide them as they are introduced to aviation. The 2023 AHFA scholarship is now partnered with universities across the United States. The student applicant window is open until November 30, 2022. [Apply now!](#)





# APPLY TO THE AIM HIGH FLIGHT ACADEMY

**CURIOUS ABOUT FLYING?**



Earn **15 flight hours** and the chance to go on a solo flight.



**All expenses paid**, including training, rooms, meals and travel.



**No experience needed** to apply. We'll teach you everything you need to know!

**APPLY HERE**

## WHAT IS IT?

The AIM HIGH Flight Academy is a three-week program designed to teach and inspire future aviators. You'll receive one-on-one training from U.S. Air Force Pilots and gain valuable experience in the classroom and in the sky.



Applications open  
in **October**

Open to ages **16-18**



[recruiting.af.mil/Aim-High-Flight-Academy/](https://recruiting.af.mil/Aim-High-Flight-Academy/)

## Join the Flight Crew



The **Flight Crew** is a group of youth advocates promoting the value of out-of-school STEM learning and equity in STEM for young people across the nation. The 2023 Flight Crew will participate in eight months of youth development and public speaking training to share:

- First-hand, impactful STEM experiences beyond the classroom that inspire,
- Aspirations to break down stereotypes and spark their peers' curiosity in STEM, and
- The ability to connect their STEM experiences to everyday life.

Youth (13-18) who identify as female, gender-expansive, or outside of the identity of cis-gender male, with experiences in out-of-school time STEM, are invited to apply to become a Million Girls Moonshot Flight Crew member! The deadline is November 27. Apply [here](#)!

## ON THE RADAR

### **Two Black Rocket Scientists Team Up in Love and Space!!! ARTEMIS 1 LAUNCH TO THE MOON**

During our 2022 Spring program, AeroStars followed the planning of the Artemis 1 Mission to the Moon through [NASA's Lego Artemis 1 Curriculum](#). We were excited for students to witness history in the making as the Artemis program landed the first person of color—and the first woman—on the moon! AeroStars have been following Artemis I Mission launch schedule with great anticipation. New updates have arrived. The Artemis I mission launched!

On Nov. 16, the Space Launch System (SLS) and Interim Cryogenic Propulsion Stage successfully propelled the Orion spacecraft on its first voyage around the Moon. The Artemis I mission lifted off at 1:47 a.m. Eastern time from Launch Complex 39B at the Kennedy Space Center in Florida.

Eight and a half minutes into flight, the Boeing-built core stage completed its mission and separated from the Boeing-United Launch Alliance-made upper stage. The SLS core stage demonstrated several important functions, including fueling both tanks, actuating the hydraulic system, igniting the engines, running thrust vector control programs in flight, depleting the fuel tanks, shutting down the engines, and conducting successful separation and disposal maneuvers. Our friends at [ROCKET WITH THE FLETCHERS](#), played a key role in building the the rocket! We are so proud of Myron and Tiera Fletcher!!! Hats off to you guys!

To learn more about the tech and team behind the SLS, visit our [Artemis I mission website](#).

(Source: [Boeing](#); [CNN](#))  
(Image Source: ScienceAlert)





Rocket With The Fletchers

4d · 🌐

These are faces of [#rocketscience](#) joy! After wiping tears of celebration, we captured this moment!

We both started with [NASA Artemis](#) [The Boeing Company](#) directly after finishing undergrad. Our [#aerospace](#) careers developed in parallel with [#NASASLS](#), from the earliest stages. Our roles in the [#SLS](#) journey, plus the many roles in between:

🚀 Rocket Propulsion Engineer... [See more](#)



**Donate Today!**

### GIVING SEASON IS HERE

We're fired up about GIVING SEASON as we expand our mission to train and employ youth in this exciting industry. Now we need your help more than ever before. To give, click [\*\*HERE\*\*](#). Your donation is tax deductible, and 100% of your gift goes toward training the next generation of aviation and aerospace professionals.

*Invest in the passion ... the mission ... the future of aviation... [\*\*DONATE NOW!\*\*](#)*

**Give Wings to Dreams!**

**PERFECT HOLIDAY GIFT**  
**Book Teaches Kids to Fly Through Fear**

What if you were afraid to fly? Authors Kenyatta Scott and contributor Tammera L. Holmes join forces to show girls and boys how to face their fears! Grab a copy, or three for the

children in your family this holiday season.



## Tammera L. Holmes Teaches Violet How to Fly Through Fear!

Follow along as ***Violet Takes Flight*** for the first time! Daddy teaches her and her brother Derek the true meaning of "doing it afraid." Follow along as Pilot Holmes makes her literary debut as Violet's flight teacher!

30% of all book sales support AeroStar Avion Institute, NFP, a female, minority owned NFP that teaches underrepresented youth in underserved neighborhoods about aviation STEM careers.

Buy your copy of ***Violet Takes Flight*** [HERE](#) today!

#thevioletbookseries  
#wingstodreams

## CREDITS



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