



Kickstart your STEM career with

# Washington Aerospace Scholars!

A two-part program for **high school juniors** focused on the history and future exploration of space by NASA and topics in Earth and Space Science.

## Phase One

Online distance learning course designed in partnership with NASA and the University of Washington, which provides students the opportunity to earn five UW college credits.

## Phase Two

A multi-day residency experience where students work with STEM professionals, NASA scientists, university students and STEM educators.

In addition to exposure to NASA and Earth Space Science curriculum, WAS provides interaction with STEM industry professionals, hands-on engineering activities and a national alumni network which tracks student progress from high school until after college graduation. WAS alumni are also provided exclusive opportunities for internships and college scholarships.

## Dates:

**PHASE ONE: November thru March**

**PHASE TWO: Summer**

## Requirements:

- High School Junior in the Fall
- Resident of Washington State

## Questions?

Email us at [WAS@museumofflight.org](mailto:WAS@museumofflight.org)

**Scan the QR Code  
to learn more**



*Washington Aerospace Scholars is made possible through financial support from NASA, The Boeing Company, Aerojet Rocketdyne Foundation, The Museum of Flight and individual donors. In addition, we thank Washington NASA Space Grant Consortium for their continued in-kind support.*

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**To learn more, visit [museumofflight.org/WAS](http://museumofflight.org/WAS)**





## Welcome and Explore!

These programs are available for individual youth from Pre-K through 12th grade.

As you move through these programs, aerospace comes to life with exciting experiences to help you *find your destination!*



### Connections

**Ages: 5 to 18 years old**

An educational membership program for alumni of Museum programs that guides participants through many exciting aerospace and aviation learning opportunities offered at the Museum and comes with a variety of benefits including FREE unlimited admission for themselves and one adult.

[Visit museumofflight.org/Connections](https://museumofflight.org/Connections)



### Aerospace Camp Experience (ACE)

**Grades: Kindergarten through 7th Grade**

Kids can fill their summer with amazing space adventures! ACE is an award-winning day camp offered through the summer months.

[Visit museumofflight.org/ACE](https://museumofflight.org/ACE)



### Michael P. Anderson Memorial Aerospace Program (MPA)

**Grades: 6th through 8th Grade**

Leverages Michael's legacy to inspire underserved middle school youth from throughout Washington State to participate in the Museum's educational programs while being mentored by professionals in the aerospace and aviation industry.

[Visit museumofflight.org/MPA](https://museumofflight.org/MPA)



### Amelia's Aero Club (AAC)

**Grades: 6th through 8th Grade Girls**

AAC welcomes all young women and gender expression (queer, femme, or gender non-binary) to the field of aviation! Targeting middle school youth; we work to inspire, nurture, and network young ladies to an enthused group of women eager to help guide their next steps in STEA<sup>2</sup>M!

[Visit museumofflight.org/AAC](https://museumofflight.org/AAC)



### Private Pilot Ground School (PPGS)

**Grades: 9th through 12th Grade**

A unique course provides the opportunity for rising 9th-12th grade students to explore the world of aviation while creating a base of aeronautical knowledge that pilots need to successfully pass the Federal Aviation Administration (FAA) private pilot exam.

[Visit museumofflight.org/PPGS](https://museumofflight.org/PPGS)



### Washington Aerospace Scholars (WAS)

**Grade: 11th Grade**

An online distance learning course and summer experience specifically designed for high school juniors interested in pursuing science, technology, engineering, and math (STEM) pathways through the exploration of space and space travel.

[Visit museumofflight.org/WAS](https://museumofflight.org/WAS)



### Aeronautical Science Pathway (ASP)

**Grades: 11th and 12th Grade**

Suited for those who want to become Professional Pilots or work in one of many Aviation Operations Management fields, such as Unmanned Aerial Systems, Air Traffic Control, Airport Management, or Airline Dispatch.

[Visit museumofflight.org/ASP](https://museumofflight.org/ASP)



### Virtual Girl Scout Badge Workshops

**Ages: Girl Scout Juniors and Cadettes**

Guides Scouts through a full set of badge requirements in an online portal.

[Visit museumofflight.org/GirlScout](https://museumofflight.org/GirlScout)



*find your destination!*

Visit [museumofflight.org/Education](https://museumofflight.org/Education) or email [Education@museumofflight.org](mailto:Education@museumofflight.org)







# Out-of-this-world programming for the classroom, group or even at home!



**Fee Range:**  
**FREE to \$500**  
Financial assistance may be available. Please inquire.

Soar through the year with The Museum of Flight Boeing Academy for STEM Learning’s exciting and transformative experiences. All programs capture the excitement of a Museum experience and bring aerospace and STEM topics directly to learners—wherever they may be.

Most programs support:

- Next Generation Science Standards (NGSS)
- Common Core State Standards (CCSS)
- 21st Century Skills

And with our virtual options, you can bring the fun and excitement of a field trip to your students while engaging them with enriching content designed to enhance your curriculum.

**Check out our programs list on the back.**

**SCAN ME**  
**FOR PROGRAM INFO**



Or visit [museumofflight.org/Education](https://museumofflight.org/Education)  
Financial assistance is available for qualifying groups. Visit our website for more information.

Boeing Academy for  
**STEM LEARNING**  
THE MUSEUM OF FLIGHT

**Book your program online today!**

# At The Museum of Flight



## Museum Explorations

*(self-guided)*

Our Museum Exploration programs are experiences that encourage students to dig for information with a variety of challenges and objectives. After a brief introduction by a Museum Docent, participants have the freedom to explore the Museum with their chaperone!

**Grade:** 2nd thru 12th Grade

**Group Size:** 30 participants max.

*1:10 chaperone safety ratio required*



## Aviation Learning Center

*(Museum Educator-led)*

Brings to life the energy and excitement of flight through a hands-on learning experience. Students get a taste of private pilot ground school in the Learning Lab, climb inside a Cirrus SR20 airplane, and plan a flight to pilot in the Simulator Bay.

**Grade:** 4th thru 12th Grade

**Group Size:** 36 participants max.

*1:10 chaperone safety ratio required*



## Challenger Learning Center

*(Museum Educator-led)*

Transform your students into NASA scientists and engineers with a single common purpose—the success of the mission! This realistic simulated space mission uses hands-on and inquiry-based activities to challenge participants in the areas of teamwork, communication, problem-solving and critical thinking.

**Grade:** 6th thru 12th Grade

**Group Size:** 28 participants max.

*1:10 chaperone safety ratio required*

## Remote / Virtual



## Virtual Planetarium Show

*(Museum Educator-led)*

These live, virtual, interactive shows are the perfect way for stargazers of all levels to explore the night sky or take off and fly across the galaxy.

**Grade:** 2nd thru 12th Grade

**Group Size:** 40 participants max.



## Virtual Museum Tours

*(Museum Educator-led)*

If you can't come to the Museum then we'll bring the Museum to you! We use the "story" in "history" to bring the galleries and artifacts to life.

**Grade:** Kindergarten thru 12th Grade

**Group Size:** 40 participants max.



Disponible  
en Español!

## Suited for Space

*(Self-guided)*

We've transformed our popular, multi-lesson program into a remote, learner-driven exploration of spacesuit science, engineering and technology.

**Grade:** 5th thru 8th Grade

**Group Size:** Any!

## Customize for Your Location

We also offer the ability to customize programs for your location based on COVID protocols and your interests & needs. Museum educators will work with you to provide full, in-person experiences or hybrid remote experiences with in-person facilitation.

**Interested? Email us at [Education@museumofflight.org](mailto:Education@museumofflight.org).**

*Topics, ages and prices vary.*

**Financial assistance** is available for qualifying groups.  
Visit our website for more information.



## Girl Scout Badge Workshops

*(self-guided)*

Each workshop guides Scouts through a full set of badge requirements in an online portal.

**Grade:** Girl Scout Juniors and Cadettes

**Group Size:** Any!

Questions? [Education@museumofflight.org](mailto:Education@museumofflight.org)

updated 8 25 2022

Boeing Academy for  
**STEM LEARNING**  
THE MUSEUM OF FLIGHT





Apply Now!

# Aeronautical Science Pathway

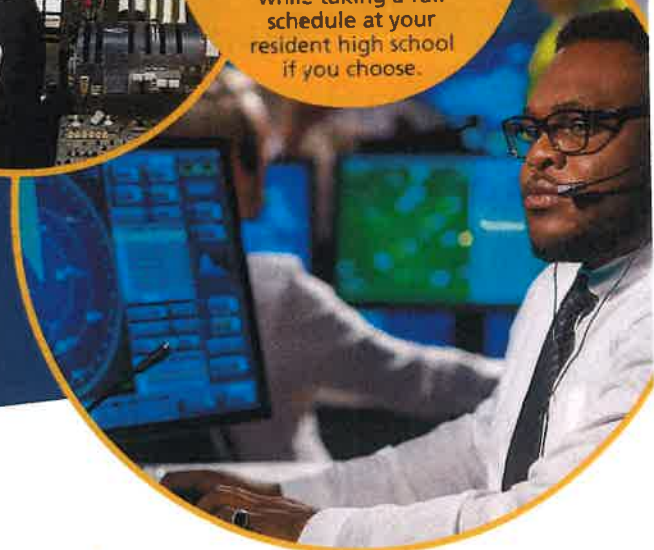
Have a passion for Aviation?



Earn high school and college credit

## FREE!

while taking a full schedule at your resident high school if you choose.



Aeronautical Science Pathway (ASP) is a **FREE program** for **High School Juniors and Seniors** who want to become **Professional Pilots** or work in **Drone Operations, Air Traffic Control, Airport Management, Airline Dispatch** or many other Aviation Operations Management fields.

- Includes **Six College-level courses** in ASP I and ASP II
- Opportunity to earn **3 High School Credits and 30 College Credits** each year
- Increase Leadership and Communication Skills
- Develop Job Interview Skills
- Mentoring by Industry Leaders
- **Internship & Scholarship Opportunities**
- Invitations to Events and more!

**NOTE:** Students must provide their own transportation to and from The Museum of Flight in Seattle, Washington.

### DATES:

**September through June**

*\*follows Highline Public School Calendar*

### TIMES:

**Monday through Thursday**

**from 3:45 PM to 6:00 PM**

*\*with 3.5 hrs online learning*

**Scan the QR Code to learn more or join an Info Night!**



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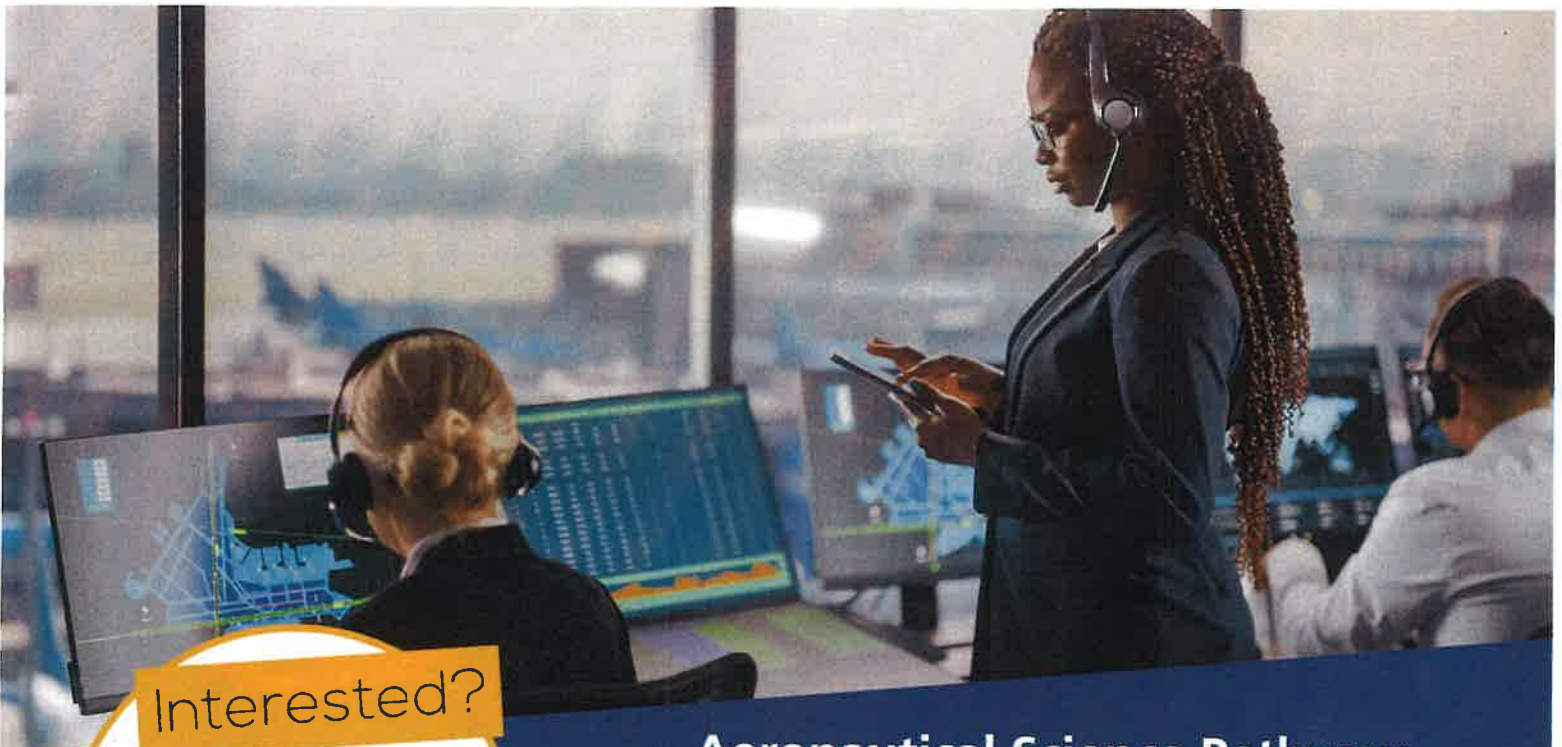


Visit [museumofflight.org/ASP](http://museumofflight.org/ASP)

Through a collaborative partnership with:







Interested?

Attend an ASP Info Night!  
Visit [museumofflight.org/ASP](http://museumofflight.org/ASP)  
for the next available dates.

Or scan the  
QR Code to  
Sign-Up!



**Aeronautical Science Pathway**  
consists of **12 college courses** spread  
across two years, **ASP I and ASP II.\***

A "B" or better earns 5 college credits per course;  
up to 30 possible college credits per year.

### ASP I

FIRST SEMESTER	Credits
<b>AVIA 112:</b> Introduction to Aircraft Systems	5
<b>AVIA 111:</b> Private Pilot Ground School	5
<b>AVIA 123:</b> Aviation Weather	5
SECOND SEMESTER	Credits
<b>AVIA 103:</b> Aviation History and Careers	5
<b>AVIA 107:</b> Drone Operations	5
<b>AVIA 210:</b> Aviation and the Law	5
<b>Total Credits</b>	<b>30</b>

### ASP II\*

FIRST SEMESTER	Credits
<b>AVIA 212:</b> Human Factors for Aviators	5
<b>AVIA 211:</b> Aerodynamics	5
<b>AVIA 110:</b> Airline Operations	5
SECOND SEMESTER	Credits
<b>AVIA 270:</b> Air Traffic Control Fundamentals	5
<b>AVIA 214:</b> Airport Management and Operations	5
<b>AVIA 275:</b> Airline Dispatch and Operations	5
<b>Total Credits</b>	<b>30</b>

## Total College Credits: 60!

\*Pre-requisite for ASP II: Successful completion of ASP I OR a Private Pilot Ground School class.

Note: If you plan on taking Running Start classes in addition to ASP, please contact the ASP Team to determine eligibility.

**AERONAUTICAL SCIENCE PATHWAY**  
THE MUSEUM OF FLIGHT Boeing Academy for STEM Learning

**Questions?**  
206.764.0276 or [ASP@museumofflight.org](mailto:ASP@museumofflight.org)





The Exclusive Airline Funding  
Partner of Private Pilot  
Ground School



Earn high school  
and college credit  
**FREE!**



Apply Now!

# Private Pilot Ground School

Explore the World of Aviation!



Private Pilot Ground School (PPGS) is a **FREE course** for **High School students** to explore the world of aviation while creating a base of aeronautical knowledge that pilots need to successfully **pass the Federal Aviation Administration (FAA) private pilot written exam.**

- Opportunity to earn **0.5 High School Credits and 5 College Credits**
- Engage in Hands-on Learning
- Learn on a State-of-the-art Flight Simulation Lab
- Meet and Network with Industry Professionals
- Field Trips to Local Aviation and Aerospace Companies
- **Internship and Scholarship Opportunities**

**NOTES:** To earn the credits, students can not miss more than two days of class. Students must provide their own transportation to and from The Museum of Flight in Seattle, Washington.

### DATES:

June 29–July 19

### TIMES:

Monday through Friday  
from 8:30 AM to 3:30 PM

*\*No class Tuesday, July 4*

Scan the QR Code  
to learn more!



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Visit [museumofflight.org/PPGS](http://museumofflight.org/PPGS)

Through a collaborative  
partnership with:



