

## CONNECTING TO THE AEROSPACE INDUSTRY

### *RTH Youth Program*

The Red-Tailed Hawks Youth Program educates and introduces underrepresented youth to the exciting world of aviation. We promote an interest in aviation history along with engaging young minds in practical applications of science, technology, engineering and mathematics (STEM). RTH students engage in STEM activities, experience aerospace industry facilities, learn pilot knowledge and fly in general aviation airplanes. This year-around opportunity is open to 6th-12th grade students.

Students are required to write Continuing the Legacy in Aviation (CTLA) essays and the finalists participate in the RTH Glider Project. Students are encouraged to participate in ROADS Challenges and RTH Aerospace Science Camp.

Young people who want to learn to fly can earn full scholarships for Red-Tailed Hawks Flight Lessons for Youth (FLY) and the Black Pilots of America, Inc. (BPA) "Les Morris" Summer Flight Academy.

### *Leadership Opportunities*

Students can gain leadership experience by serving during camps, fly-ins, outreach events and fundraising.

### *College Scholarships*

Student members who serve RTH in leadership roles are eligible for scholarships to fund college tuition or flight training.

## EXPLORING POSSIBILITIES IN STEM

### *ROADS Challenges*

Rover Observation and Discoveries in Space (ROADS) is a student-led STEM project to simulate NASA missions in outer space. Students will develop leadership acumen, grow management skills, and learn the technology and applied sciences required to engineer solutions to the ROADS challenge. This is also an opportunity for budding artists to learn and apply skills in graphic design, film making and set design. Students in grades 6th-12th can enjoy this opportunity.

### *RTH Aerospace Science Camp*

Aerospace Science Camp is a three-day, team, experiential learning academy for rising 6th-8th grade scholars and high school members in leadership roles. Held the first weekend in August (Friday-Sunday), this fun, hands-on academy introduces key science, engineering and mathematical concepts that are important to aerospace industry technology. We also ground the scholars in history as we help them imagine themselves shaping the future.

### *RTH Glider Project*

CTLA essay finalists explore the fundamentals of flight through an introduction to flying gliders. Student members who want to pursue a glider rating can earn RTH scholarships.

## LEARNING TO FLY

### *Red-Tailed Hawks FLY*

Red-Tailed Hawks FLY is a flight training academy held at Boeing Field, Seattle, WA the 2nd through 4th Saturday in July. During the Red-Tailed Hawks FLY academy, we seek to excite young, underrepresented people about flying by providing a rich hands-on learning experience. This flight training opportunity is open to students ages 16-21. Cadets receive:

- 50 hours of private pilot ground school
- 10 hours of lunch-n-learns
- 10-12 hours of flight training
- Over 20 hours of mentoring/coaching

Cadets who perform well are eligible to continue towards private pilot certification in Phase II of Red-Tailed Hawks FLY.

### *BPA "Les Morris" Summer Flight Academy*

High school students who complete the RTH Youth Program curriculum are eligible to attend BPA's premier flight training program in Houston, TX. Students receive two weeks of private pilot ground school, flight training and museum experiences.

### *BPA Operation Skyhook*

Once you become a pilot, you can demonstrate your skills in a flying competition held every Memorial Weekend at Grider Field, Pine Bluff, AR. The events are spot landing, balloon burst, flour bomb drop and pylon proficiency. RTH aims to win first place.

## INTRODUCTION TO THE WORLD OF AVIATION

### *RTH Aviation Experience*

Aviation Experience is a camp held at Pearson Field, Vancouver, WA just across the Columbia River from Portland, OR.

On the 4th Friday and Saturday of June, we introduce students rising to grades 6th-12th to the world of aviation in a hybrid format. We provide them with insight to aerospace careers, basic pilot knowledge, provide hands-on STEM experiences, teach aviation history and provide discovery flights in general aviation aircraft.

### *RTH Aviation Day Camp*

Aviation Day Camp is a two-day hybrid experience held at Boeing Field, Seattle, WA each 4th Friday and Saturday in July.

We introduce rising 6th-12th grade students to the world of aviation. We provide an aerospace career panel, present basic pilot knowledge, provide hands-on STEM experiences, teach aviation history and provide discovery flights in general aviation aircraft.



## RTH MISSION STATEMENT

To introduce underserved and underrepresented youths to the world of aviation, engage their minds in practical applications of STEM, ground them in history, inspire them towards aerospace related career paths and help them learn to fly.

*Ask about student membership – only \$20 annually!*

[REDTAILEDHAWKSflyingclub.org](http://REDTAILEDHAWKSflyingclub.org)

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**RED-TAILED HAWKS**  
FLYING CLUB

Black Pilots of America, Inc.,  
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**WHAT WE DO:  
PLANES, ROCKETS,  
ROBOTS, DRONES  
& MORE!**

*Legacy Lift, Future Thrust...*

The vision endures and  
the mission continues.