

# National 4-H Aerospace Curriculum

## Target Audience: Grades K-12

Description: This curriculum includes four youth activity guides, divided by age-level and a group leader's activity guide. Each guide includes hands-on experiential activities, information and additional resources to promote aerospace education and workforce preparation skills.

- Aerospace Skills
- Develop skills and knowledge in the areas of aviation, space, kites, hot air balloons, weather and aerospace careers;
- Connect youth with aerospace educational resources and opportunities;
- Explore current issues related to aerospace.
- Workforce Preparation Skills
- Improve youths' ability to reason, think creatively, set goals, make decisions, take initiative, solve problems, evaluate progress, work effectively in diverse teams, teach others, lead and negotiate.
- Involve youth with family members, mentors and helpers in the community.
- Help youth understand different types of work, discover personal interests, skills, and develop steps to achieve their goals.

## Format

### Stage One:

Preflight (grades K-2)  
5...4...3...2...1...  
Wonderful Wings  
What Do You Do?  
Spacey Suit  
Hangar Talk  
Prop Shop

### Stage Two:

Lift Off (grades 3-5)  
Rockets Away!  
Gnome of Your Own  
I Want To Be  
Family Flyers  
From Here to There  
Follow That Shadow  
Can I Fly Today?  
Which Way is Up?  
Angle of Attack!  
Up, Up and Away  
Round and Round  
Charlie, Oscar, Delta, Echo  
From Nose to Tail  
Hangar Talk  
Prop Shop

### Stage Three:

Reaching New Heights (grades 6-8)  
Rippin' Rockets  
Fly 'n Show  
Let's Go Launching  
Attitudes, Altitudes and Airspeed  
Flying Feathers  
Flying My Way  
Shuttle on a String  
Powerful Payload  
Flying Fighters'

Mustangs to Zeros  
Copters and Robbers  
Just Blowing Through  
Hangar Talk  
Prop Shop

### Stage Four:

Pilot in Command (grades 9-12)  
The Yokes on You  
High Flying Mission  
Future Pilot  
Ace Instructor  
Cross Country  
Knowledgeable Navigators  
Space Notes  
Brouhaha Box Kite  
Care in the Air  
Elevator Magic  
Airport Issues  
My Personal Qualities  
Hangar Talk  
Prop Shop

### Flight Crew:

Leader's Guide  
Aerospace Quiz Bowl  
Aircraft Fire Rescue  
Afterburner  
Top Gun  
Far Out!  
Community Airport Field Day  
Flight 747  
Aerospace Proficiency game  
Traffic Cop in the Sky  
Mission Aerospace Skillathon  
Aerospace Glossary Games  
Touring an Airport  
Full of Hot Air

National 4-H Aerospace Curriculum can be purchased for \$1.25 per grade-level activity guide or borrowed from your local County Extension Office.