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'

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.