**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.