



Enroll in ZSuite Under this Project Name: TECS-AEROSPACE-Lv 3: Reaching New Heights

Approved for 2024-25 Project Year

Project Description: Youth will continue their hands-on aerospace studies through making a shuttle on a string, Japanese kite, hang glider, and more. They will also learn about aircraft control panels.

REQUIRED YOUTH CURRICULUM

[Reaching New Heights: Stage 3 Aerospace Activity Guide](#) (#06849), 2003

[ZSuite 4-H Involvement Report](#)

[ZSuite 4-H Project Record Book](#)

REQUIRED VOLUNTEER CLUB LEADER CURRICULUM

[Flight Crew Helper's Guide](#) (#06846), 2003

SUPPLEMENTAL RESOURCES

none

The University of Idaho has a policy of nondiscrimination on the basis of race, color, religion, national origin, sex, age, sexual orientation, gender identity/expression, disability, or status as a Vietnam-era veteran. This policy applies to all programs, services, and facilities and includes, but is not limited to, applications, admissions, access to programs and services, and employment. State 4-H scholarships for education or events are available to all 4-H participants. [Persons with disabilities who wish to request reasonable accommodation may do so by filling out an online form here, or by requesting the accommodation form from their local Extension 4-H office.](#)



PROJECT COMPLETION CHECKLIST

STATE REQUIREMENTS	
	Complete a minimum of 7 required/optional activities, plus 3 Learning Experiences (pg.4) each year.
	Finish at least 20 of the required and optional activities within 3 years to pass each book.
	Have your project helper date (month and year) and initial each activity when it is finished.
	Complete the 4-H Project Record Book for this project in your ZSuite Member Account
	Fill out your 4-H Involvement Report in your ZSuite Member Account
	Give an oral presentation (speech, demonstration, or illustrated talk) to your 4-H peers on a topic related to this project. Recommended guidelines for length of oral presentations are: <ul style="list-style-type: none"> • Junior: 5-8 minutes • Intermediate: 8-10 minutes • Senior: 10-12 minutes
	Special Directions for Aerospace Exhibits: Engines and igniters are not permitted with the exhibit. Rockets and other models must be able to stand freely on their own or be supported on a wooden base. Do not display rockets on a launch pad, or at an angle. Select a different item to exhibit for your second and third year within a given book; members wishing to build another rocket may select a different style within that skill level. For original design rockets or other models, describe in an attached summary how the model was tested for stability prior to flying.

ADDITIONAL LOCAL REQUIREMENTS	

FAIR EXHIBIT CHECKLIST	
	Completed Idaho 4-H Involvement Report (ZSuite)
	Completed Idaho 4-H Project Record Book for this project (ZSuite)
	One of the following exhibit options: <ul style="list-style-type: none"> • An item you made in this project. Include building plans in the exhibit. Some examples include: <ul style="list-style-type: none"> ○ Rocket made from a kit (Skill Level 2 or 3) ○ Fighter kite that can roll, pitch, and yaw ○ Model airplane from a kit ○ An intermediate-level model rocket or airplane not built from a kit • A poster (14"x22") or display illustrating something you learned in this project this year. • A report of things you researched and learned this year.

The University of Idaho has a policy of nondiscrimination on the basis of race, color, religion, national origin, sex, age, sexual orientation, gender identity/expression, disability, or status as a Vietnam-era veteran. This policy applies to all programs, services, and facilities and includes, but is not limited to, applications, admissions, access to programs and services, and employment. State 4-H scholarships for education or events are available to all 4-H participants. [Persons with disabilities who wish to request reasonable accommodation may do so by filling out an online form here, or by requesting the accommodation form from their local Extension 4-H office.](#)