

Topics to be covered:

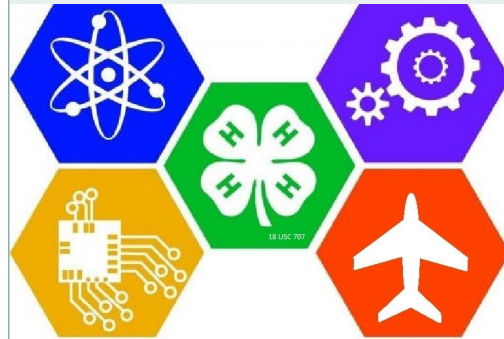
- Engineering Design Process
- Forces of Flight: Lift, Weight, Thrust, Drag
- Center of Gravity
- Axes of Flight
- Propulsion
- Airfoils
- Airplane Design
- Analyzing Data
- Aviation Industry Careers

If youth missed the informational meeting on Oct 9th they can still participate. Contact Vickie



Project Leader
Vickie Sawade

Phone: 425-745-9308
vickie4H@wrenware.com



STEM
Science • Technology
Engineering • Math

WSU Extension programs are available to all without discrimination. Evidence of noncompliance may be reported through your local Extension office.

Reasonable accommodations will be made for persons with disabilities and special needs who contact the 4-H office at WSU Snohomish County Extension 4-H, 600 128th St SE, Everett, WA 98208, 425-357-6044, ferrisj@wsu.edu at least two weeks prior to the event.



**4-H Technology
Program**

**Aviation
Project
and
LEAF
Challenge
Team**



The LEAF challenge is on December 7 2017

4pm-9pm

**Museum of Flight,
Seattle, WA**

Fundraising will be necessary

Our Sponsors include:



Are you interested in Aviation?

This projects' focus will be to design a tethered electric airplane to participate in the LEAF electric airplane challenge and in doing so learn about the physics behind flight, use engineering design skills, and learn about careers in the aviation industry.

This project is geared towards intermediates and seniors but younger youth are welcome.

Teams of 1-4 youth will be responsible for designing their electric airplane given the LEAF criteria & constraints, creating a visual display, participating in an oral presentation to the judges, and performance demonstration of their airplane.

Aviation Project and LEAF Challenge Team

Meetings held Monday evenings 6:30-9:00pm
Meetings will be weekly thru Dec 11 and then at least monthly for the rest of the 4-H year.

The meeting location is WSU Extension Education Center Evergreen Rm thru Oct 23rd then the Hanger 15 meeting room at Harvey Airfield, 9900 Airport Way, Snohomish, WA 98296.



Snohomish County

4-H 

WASHINGTON STATE UNIVERSITY
EXTENSION

