



PLANE BUILDING COMPETITION WITH PRIZE MONEY TO THE SCHOOL THAT WINS

2015 Ventura County High School Aviation Career Day

for more info contact: vc99soutreach@gmail.com

Objective: Design an aircraft that has at a minimum:

- 1. Fuselage 2. Wings (load bearing) 3. Horizontal Stabilizer 4. Vertical Stabilizer
- 5. Ailerons 6. Rudder 7. Elevators

If you choose to include flaps, slats, spoilers, and trim tabs, you may do so.

These are not paper airplanes. Folded paper or cardstock alone will not be accepted. Entries that do not have the minimum components will be disqualified.

Materials

This is the fun part. You may only use trash or recyclables. (Students in the past have used shoe boxes, paper towel rolls, and soda bottles, for example).

You may use tape, staples, glue, or fastener of your choice. These do not have to be discarded and may come from the store. However, they must be used only to FASTEN parts; aircraft components may not be fashioned from them. For example, do not build a wing out of duct tape.

Size

The length of the aircraft must be at least 15 inches. Wingspan must be 10 inches.

Fly Off to be held on Friday, October 30, 2015 at VC High School Aviation Career Day

Pilots will get up to 3 practice runs (if they choose), which will not count.

There will be 3 competitive flights. The best of the three is your record flight.

The longest single flight of the competitive trials will be declared the winner. Distances will be in feet and inches. In the event of a tie for the longest distance, each of those students will be given one more toss. The longest of the "playoff" flights wins.

Pre Qualifying Criteria

Component	Present?
Fuselage	
Wings	
Vertical Stabilizer	
Horizontal Stabilizer	
Ailerons	
Rudder	
Elevators	

Property	Meets Criteria
Length > 15"	
Wingspan > 10"	