

FAASTeam presents:

# **Introductory Aerodynamics - Wings**

This seminar is geared towards general aviation aircraft. In this seminar, the basic aerodynamics of wings will be explained. The seminar will begin with a discussion of the aerodynamics of airfoils or two-dimensional wings, i.e., infinite wings. Definitions and nomenclature associated with airfoils will be introduced and explained. How lift is produced on airfoils will be explained followed by a discussion of the lift, drag and moment coefficients of airfoils. A comparison of the difference between two-dimensional airfoils and finite wings will be mentioned that includes tip vortices and downwash. The components of drag associated with both two-dimensional airfoils and finite wings will be discussed. Join us for a review of the principles that govern reasons why the aircraft we fly, fly.

**Directions:** From Highway 101 head east toward the bay, turn left after the golf course. West Valley Flying Club is the second driveway on the right. Overflow parking in the golf course lot.

#### **A message from the National FAASTeam Manager**

Earn your WINGS to get a chance to win a cash prize. Go to  
[www.mywingsinitiative.org](http://www.mywingsinitiative.org)  
for more info.

Join us on Facebook: <https://www.facebook.com/groups/GASafety/>  
Sign up for the FAA's safety services at [www.FAASafety.gov](http://www.FAASafety.gov)!

## **Event Details**

**Wed, Aug 14, 2019 - 19:30 PDT**

**West Valley Flying Club**

1901 Embarcadero Rd.

Suite 100

Palo Alto, CA 94303



**Contact: WVFC Member Services**

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Select #: WP1594637

Representative GREGORY THOMAS WEST

The FAA Safety Team (FAASTeam) is committed to providing equal access to this meeting/event for all participants. If you need alternative formats or services because of a disability, please communicate your request as soon as possible with the person in the "Contact Information" area of the meeting/event notice. Note that two weeks is usually required to arrange services.