

Choices: (1) download available content items and teach yourself for free
(2) contact G.W. for paid instruction on-site or in a scheduled class

Content:

<u>Item</u>	<u>Description</u>	<u>links to info</u>
Basic notions	about forces, boundary layers, wake zones	basic notions
Forces	how the forces break down	forces & units
Dynamic pressure	dynamic (wind) pressure and how it breaks down	wind pressure
Coefficients	what’s important: how they vary in the real world	coefficients
Density ratio	how-to, using an altimeter, OAT, and ICAO table	density
Endurance & range	how-to, using indicated airspeed and fuel flow	how long

Textbook: none

Audience: pilots never formally trained in aerodynamics, especially those building and flying “experimental” aircraft

Scope: estimated at a maximum of 2-6 hours of “hands-on” instruction, assuming small class sizes or individual instruction, and a clean hangar or shop floor to work in; assuming that the students have their own airplanes; also assuming that all content items listed above are taught (pro-rated down by-item for scope reductions) – book-learning plus flying takes longer, book-learning only is much shorter

Location: classes at G.W.’s shop, or on-site within 50 miles of McGregor, for individuals and organizations

Availability: weekends / selected after-hours only

Cost: about \$60 (as of date) per instructor hour (multiple students cut per-student cost dramatically!) plus \$1.00 per one-way mile, per trip and if applicable; discounts available for educational or religious institutions.

Contact: G. W. Johnson “basic aerodynamics”
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[for a course flyer, click here](#)
<http://www.txideafarm.com>