

# FIRST YEAR AVIATION ORIENTATION SESSION

HOSTED BY THE



IN PARTNERSHIP WITH





# INTRODUCTION



RYAN WONG

- 4th Year Science and Aviation
- Flight Instructor



BEN LU

- UW Graduate (Geography and Aviation)
- Flight Instructor

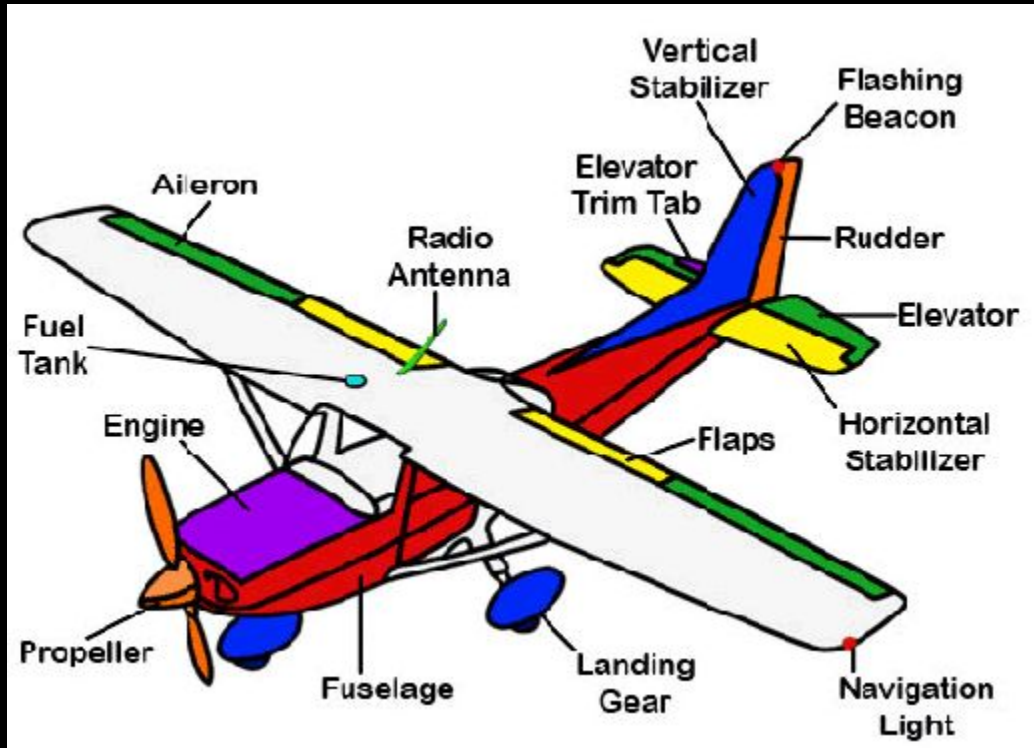
# TODAY'S SCHEDULE

- Ground School Sample
  - Theory of Flight
- 30 Minute Break
- Flight Centre Indoctrination
- Q&A Session

# **THEORY OF FLIGHT**

# THEORY OF FLIGHT

- Parts of the airplane
- Four Forces
- Airfoil Design
- Airplane Axes



# THE FOUR FORCES

- Lift
  - Force that keeps the airplane in the air, produced by the wings
- Weight
  - Gravitational pull on the aircraft through the Centre of Gravity (CG)
- Thrust
  - Force produced by the propellers by pushing air backwards
- Drag
  - Air resistance to the forward motion



# THE FOUR FORCES

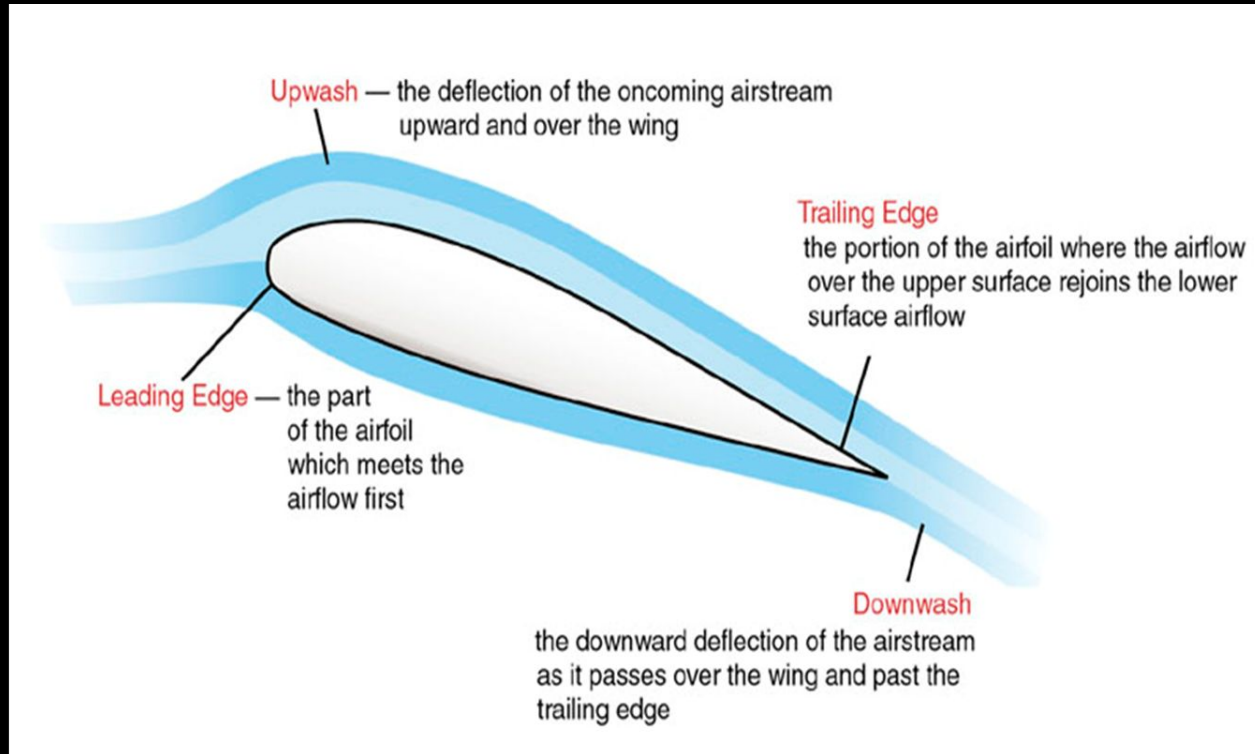


FIG 03-01  
© Jeppesen Sanderson, Inc. 2002 All Rights Reserved  
Guided Flight Discovery Private Pilot Manual

# THE FOUR FORCES

- Thrust = Drag
- Lift = Weight
  - Only weight passes through C of G
- Force Couples
  - 2 forces equal and opposite but not passing through the same point
- Equilibrium
  - 2 force couples are balanced

# LIFT



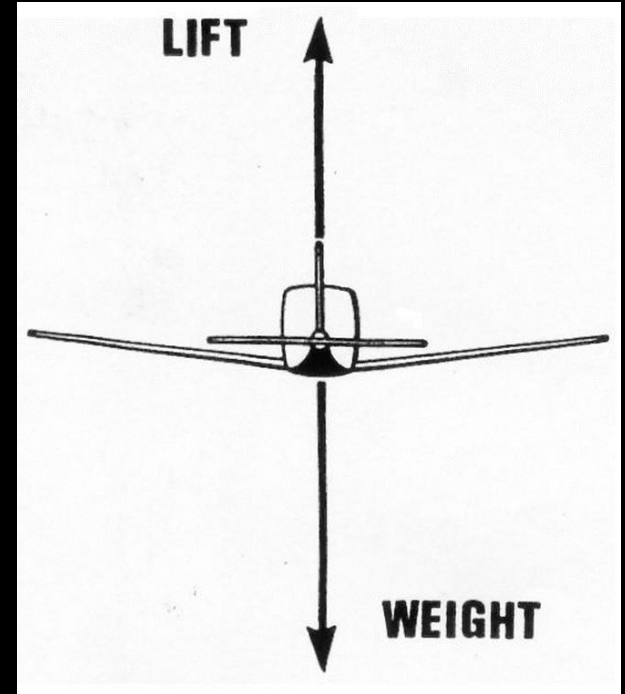
# LIFT

## Newton's 3 Laws:

- Object in motion remains in motion unless acted on by another force
- A force must be applied to alter the state of motion:  $F=MA$
- For every force there is an equal and opposite reaction

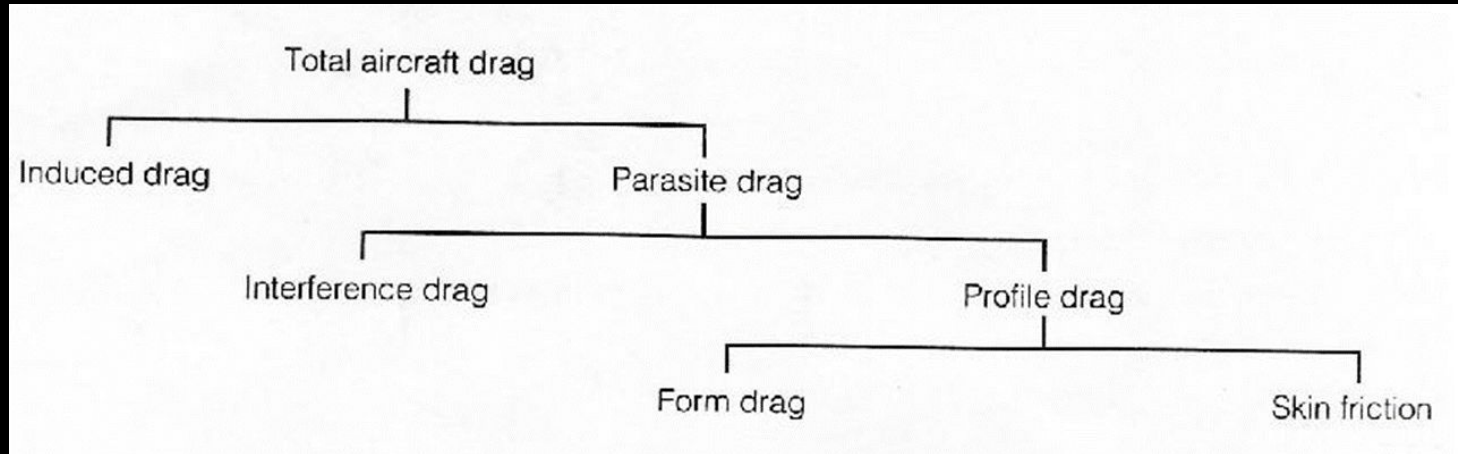
# LIFT

- Created by a combination of relatively lower pressure over top of wing and equal and opposite reaction to downwash
- Lift always acts perpendicular to relative airflow and  $90^\circ$  to the wing span



# DRAG

- Resistance to forward motion



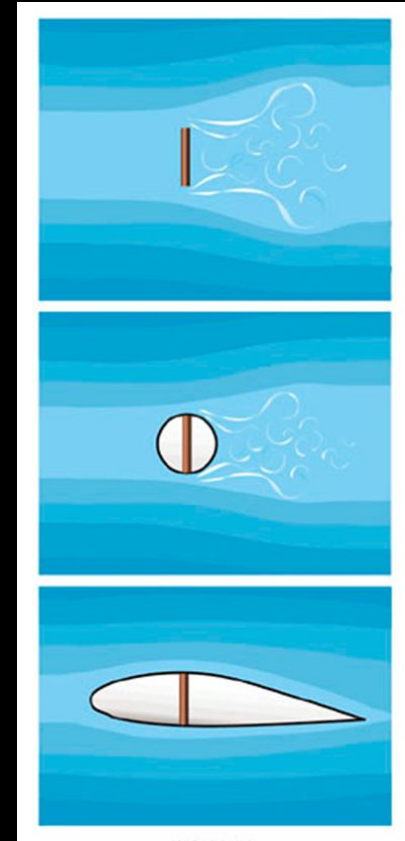
# PARASITE DRAG

Produced by parts of aircraft that does not produce lift

Two types: Profile and Interference Drag

Profile drag is the total of:

- Form drag
- Skin Friction



# REDUCING PARASITE DRAG

- FORM DRAG
  - STREAMLINING
  - REDUCING FRONTAL AREA OF THE AIRCRAFT
  - RETRACTABLE UNDERCARRIAGE
- SKIN FRICTION
  - CLEAN AIRCRAFT
  - WAX
  - FLUSH RIVETS
- INTERFERENCE DRAG
  - LANDING GEAR FAIRINGS
  - STREAMLINED DESIGN (ROUNDED FUSELAGE)

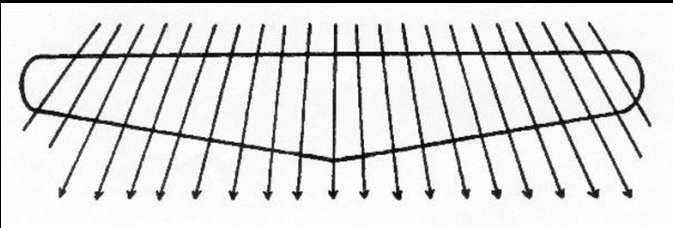


# INDUCED DRAG

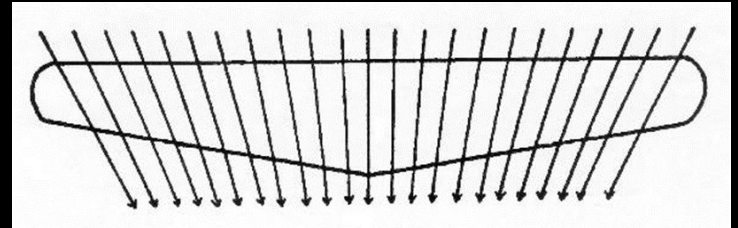
Drag created by parts of the aircraft that produce lift

- Wings
- Horizontal Stabilizer

**LOWER SURFACE >  
HIGHER PRESSURE >  
AIRFLOW OUTWARDS**

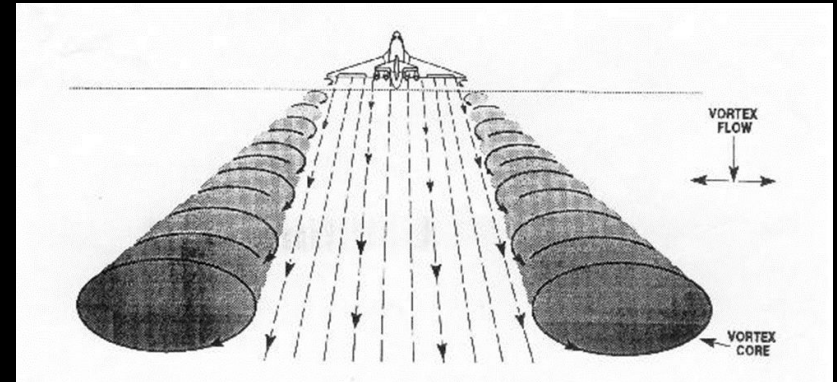


**UPPER SURFACE >  
LOWER PRESSURE >  
AIRFLOW INWARDS**



# WINGTIP VORTICES

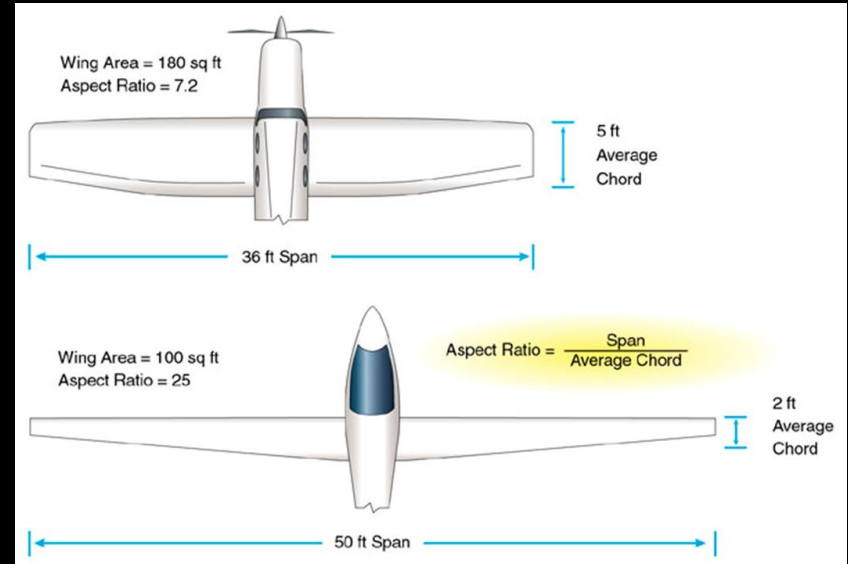
- Clockwise around left wingtip
- Counter-clockwise around right wingtip
- Drifts down and out behind aircraft



# REDUCING INDUCED DRAG

## Aspect Ratio

- Ratio of the span to mean chord
- Higher aspect ratio means lower induced drag



# REDUCING INDUCED DRAG

## Winglets

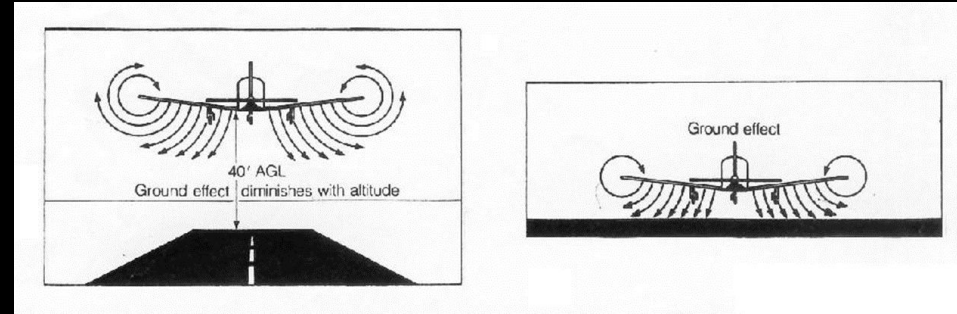
- Reduce airflow around wingtip
- Increases effective wingspan
- Increases effective aspect ratio



# REDUCING INDUCED DRAG

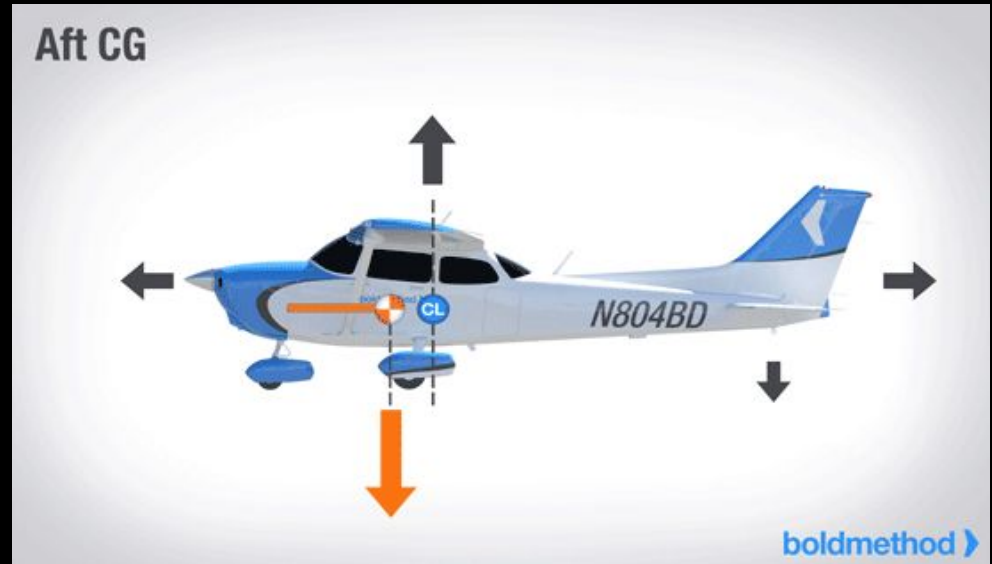
## Ground effect

- Reduces intensity of wingtip vortices
- Allows aircraft to be airborne at lower airspeeds
- Ground effect dissipates above the height of one wingspan



# WEIGHT

- Weight of the aircraft
- Acts through the center of gravity
- Always points towards the center of the earth



# THRUST

Force that provides forward motion of aircraft



# AIRFOIL DESIGN

Airfoil: A device capable of producing lift from aerodynamic reactions with the air

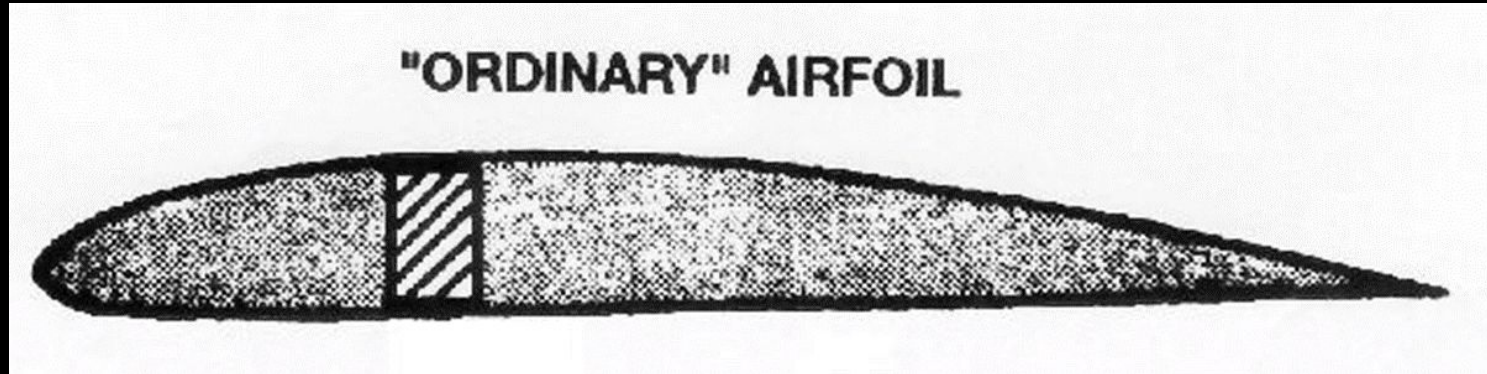
Two types of airfoils:

- Conventional
- Laminar



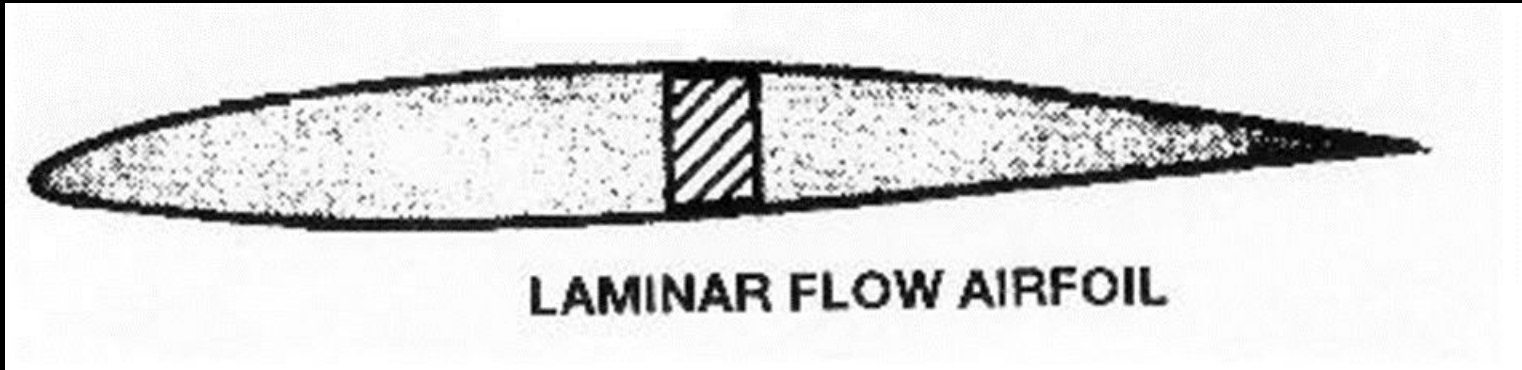
# CONVENTIONAL AIRFOIL

- High lift/low speed applications
- Thickest part is about 25% from leading edge



# LAMINAR AIRFOIL

- Maximum camber is at 50% of the chord
- Symmetrical in shape
- Used for higher speed aircraft



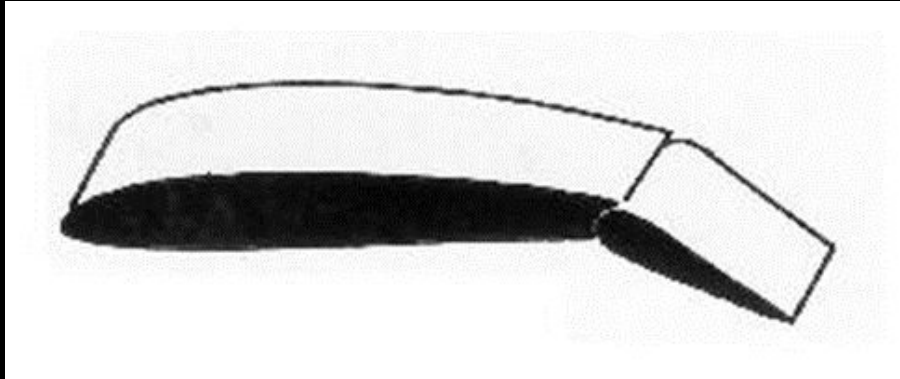
# AIRFOIL TERMS AND DESIGN

Planform: Shape of the wing as seen from above



# FLAPS

- “High-lift Device” used to increase camber of wing
- Used to increase lift and maintain positive control at lower airspeeds



# FLAPS

## Advantages:

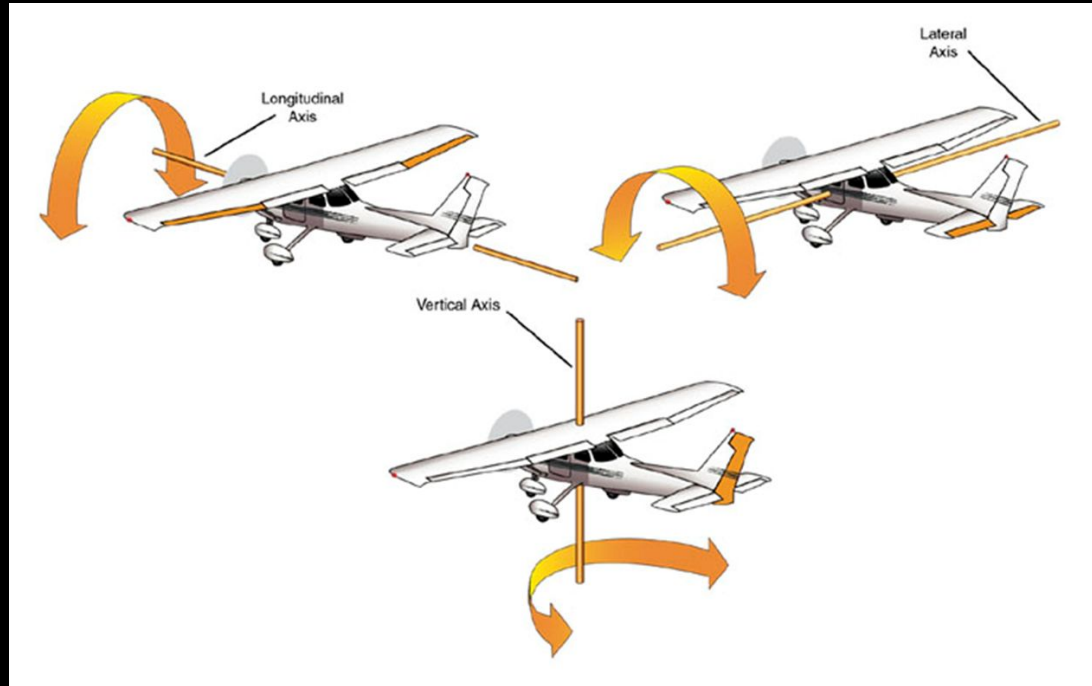
- Steep approach angles without increasing airspeed
- Better forward visibility
- Improved take-off performance
- Slower landing speeds

# FLAPS

## Disadvantages

- Full flaps on x-wind conditions are not recommended
  - Weather vane effect and decreased aileron effectiveness
- Could weaken airframe if deployed at too high an airspeed

# AIRPLANE AXES

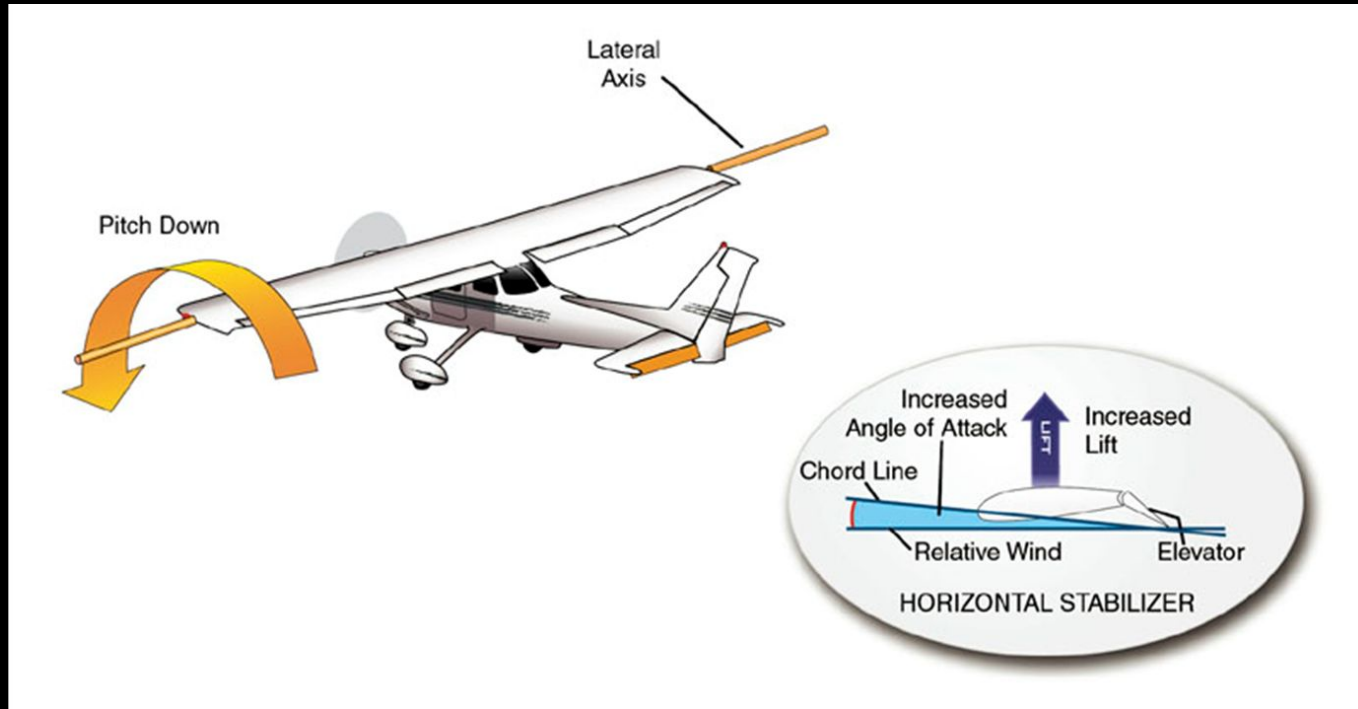


# AIRPLANE MOVEMENTS

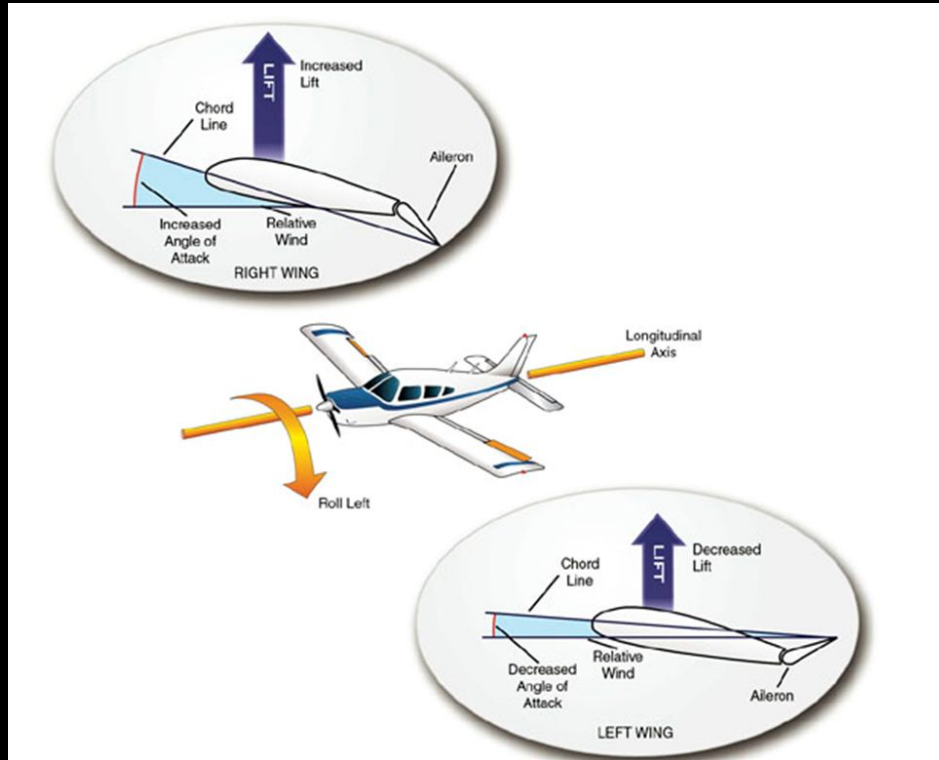
Axis	Movement	Control Surface	Control Input
Longitudinal	Roll	Aileron	Yoke (Left & Right)
Lateral	Pitch	Elevator	Yoke (Forward & Aft)
Vertical	Yaw	Rudder	Rudder Pedals



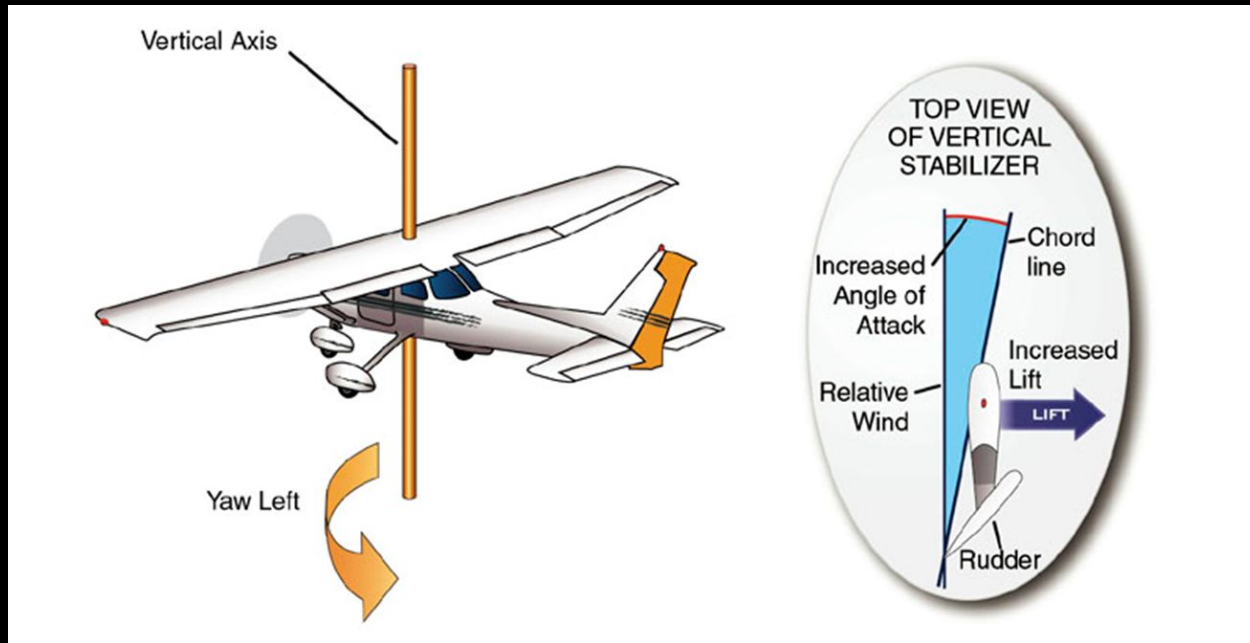
# PITCH



# ROLL



# YAW



# QUESTIONS?

**FLIGHT CENTRE INDOCTRINATION**

# BEHAVIOUR AT THE FLIGHT CENTRE

Act Professional

Wear your Uniform

Be courteous to others

If you need help, don't hesitate to ask

Remember that when you're wearing your uniform, you are wearing the flight centre's image.

# ORIENTATION DAY

Date: January 11th 2019

Location: Waterloo Wellington Flight Centre

Time:

What to Wear:

Arrive 30 minutes prior to start time



Summit Fuel Services

Waterloo Wellington  
Flight Centre

Car Rental

Region of  
Waterloo  
International  
Airport

Hammond Aviation

General Parking

Cadet Youth  
Development Centre

Flightpath Charter  
Airways Inc

Rotor S



Google



# ORIENTATION DAY

You'll be meeting your assigned flight instructors

You'll be shown how to:

- Do a walk-around
- Check the weather
- Check aircraft documents
- Share your school schedules with your instructor
- Use Flight Schedule Pro and Fleetcaptain
- Check in and out aircraft for your flight at dispatch

# ORIENTATION DAY

2 Hour ground school and preparatory ground instruction after meeting your instructors

Bring

- Laptop
- Notebook
- Pens/Pencils

# GROUND SCHOOL KIT

## What's Included:

- Pilot Logbook
- E6B Flight Computer
- From the Ground Up Textbook
- Flight Training Manual 4th Edition
- Douglas Protractor
- Aerocourse Meteorology Textbook
- Toronto VNC
- ICAO Chart Ruler
- Ground School Kit Bag
- POH of the Aircraft you're flying

## Total amount needed to pay:

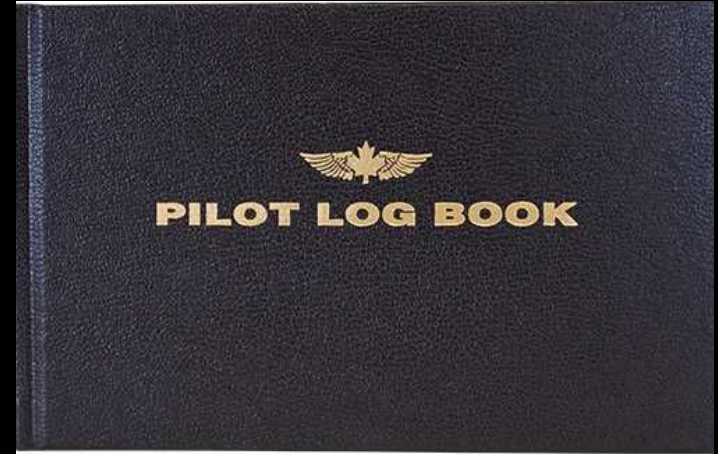
$\$287.00 + \text{HST} = \$342.31$

# PILOT LOGBOOK

Used to log flight hours

Students tend to forget to log their hours, and then it becomes a problem when you need to sign off your licenses

A good practice is to log your flight hours right after your flight



# E6B FLIGHT COMPUTER

Calculates and convertes various things

Used mainly for your cross countries

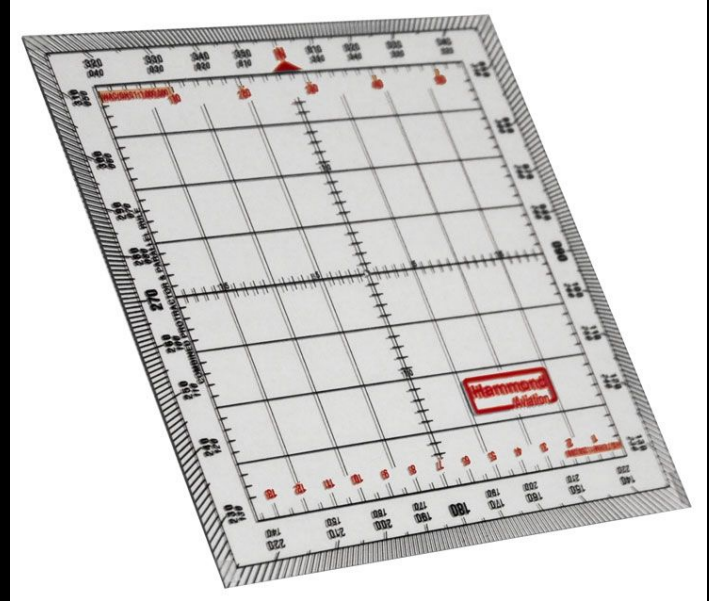
You'll learn how to use it during your ground school



# DOUGLAS PROTRACTOR

Used to find headings on your VNC/VTG

Used for Cross Countries



# ICAO CHART RULER

Used to find distances on your VNC/VTG



# VFR NAVIGATION CHART (VNC)

An aeronautical map that is sectioned to different areas across Canada.

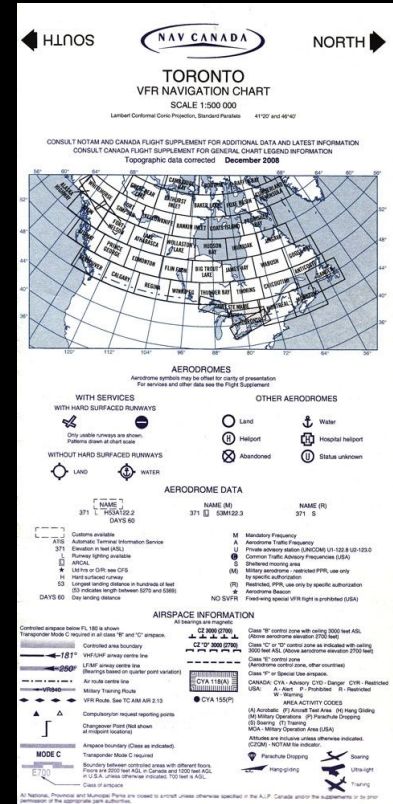
Used mainly for diversions and cross country

# You'll be using the Toronto VNC

## Challenge

When you get your VNC, open it up and find Waterloo.

You'll be flying around the area during the first few months of your training.



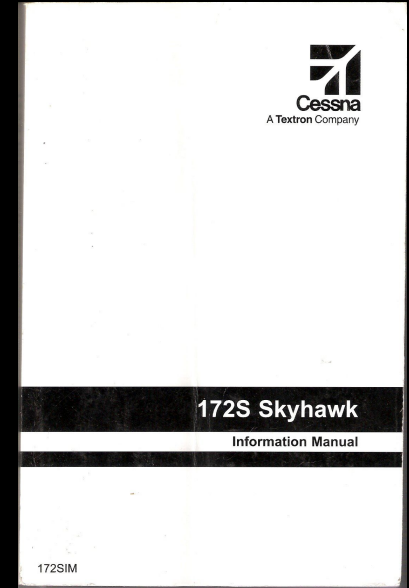
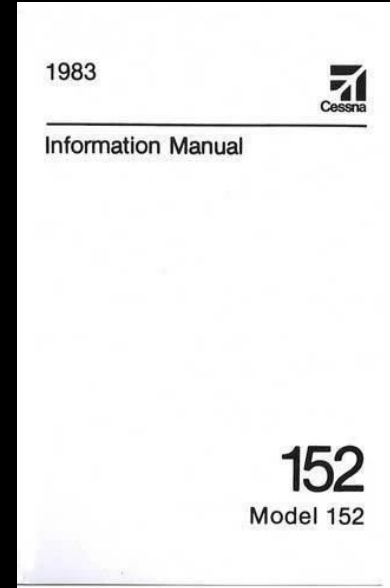


# PILOT OPERATING HANDBOOK (POH)

Contains all the information required to know about the aircraft.

POHs are aircraft specific, as in the POH that comes with the ground school kit should only be used as reference and study material

The aircraft specific POH follows the aircraft all the time it goes up flying

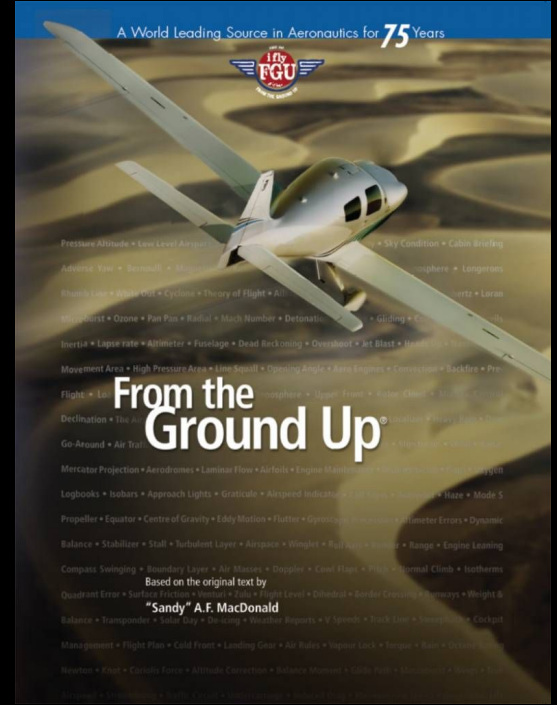


## FROM THE GROUND UP (FTGU)

Includes all the materials required to know for your  
PPL Written Exam

Good source of information to read before ground school and revision for your written.

Use this in conjunction with the ground school slides to help enhance your understanding

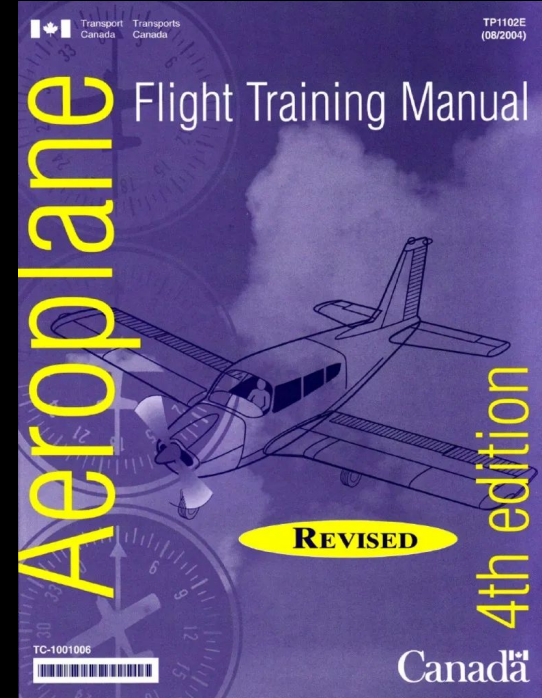


# FLIGHT TRAINING MANUAL (FTM)

Includes all the exercises that would be taught in your Preparatory Ground Instruction Class (Flight Lab)

It is best to read the exercise before it is taught in class

Good revision material for pre flight lessons, progress rides and flight tests.



# AERONAUTICAL INFORMATION MANUAL (AIM)

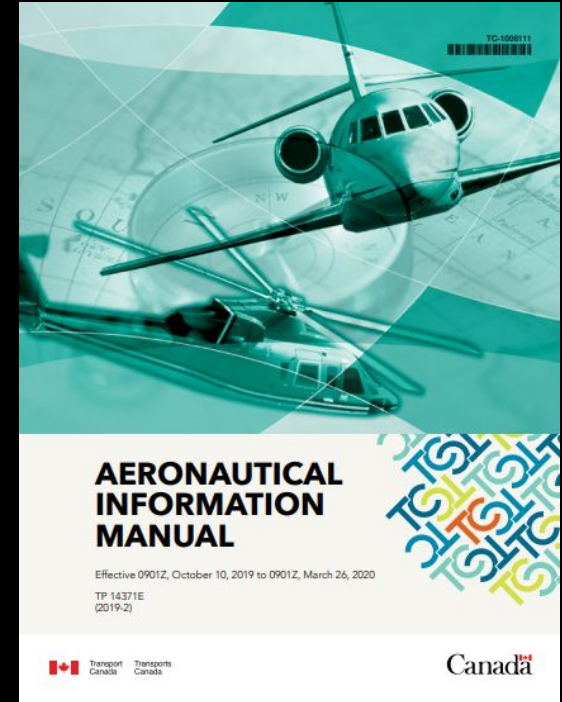
Contains current information on air laws, procedures and airmanship.

Updates roughly every 6 months:

- March and October

Electronic version is Free of Charge

To find the electronic copy of AIM, simply find Aeronautical Information Manual in Google



# HEADSETS

It costs \$10.00 to rent a headset per hour

It is recommended that you buy your own

You can buy a headset at the Pilot Shop or elsewhere such as Avworld in Mississauga (near Pearson)

Different Headsets have different costs and features, so whichever one you get is up to you

# HEADSETS

David Clark H10-13.4 Headset

Price: \$429.00 at the Pilot Shop

Features:

- Traditional 2-Pin setup for cockpits
- Static noise reduction up to 23 Decibels
- Noise cancelling microphone
- Volume control



# HEADSETS

Bose A20 Aviation Wireless Headset

Price: \$1235.99 on the Bose website

Features:

- 30% more noise reduction (dynamic)
- Some models have Bluetooth
- Control module to control volume level, mix and mute settings
- Customizable audio prioritization



# KNEEBOARD

Kneeboard is used to help you write notes inflight by giving you a hard surface

Straps over your thigh





# WHAT TO BRING TO YOUR FLIGHT

A Pen/Pencil

Kneeboard with a piece of paper

Your Radio License and Student Pilot Permit

Medical

Headset

Sunglasses

POH of your aircraft

# AIRCRAFT DOCUMENTS

Documents Required for any flight

A - Airworthiness

R - Registration

O - P 'O' H

W - Weight and Balance

J - Journey Log

I - Insurance

L - Licenses

I - Intercept Orders (Not required if you memorised it)

# PREFLIGHT INSPECTION

Must be done prior to walkaround

Can be found on the top left corner of the Normal Checklist

It's good to memorize, but please use the Read and Do method

When checking for fuel level, if it's outside the range of the fuel suggested by Fleetcaptain, tell dispatch immediately

# WALKAROUND

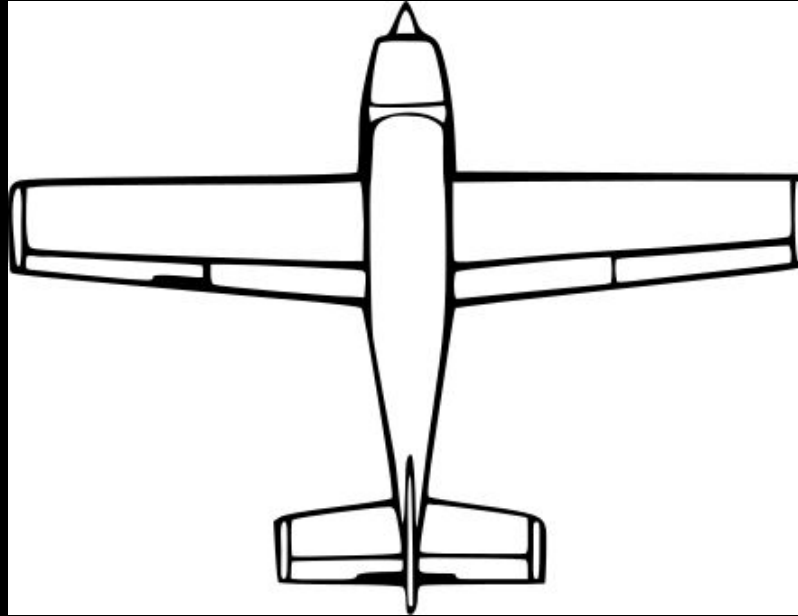
It doesn't matter if you fly a C152 or C172, the walkaround is generally the same

Before you do your walkaround:

- Find your instructor
- File for a flight at Fleetcaptain
- Grab documents from Dispatch when ready
- Check Documents
- Grab a fuel can on your way out to your plane
- Preflight Inspection (on white checklist)

CESSNA 172S	
PREFLIGHT INSPECTION	
Cowl plugs/pitot cover	remove/stow
Fire Extinguisher	secure/charged
First Aid Kit	stowed
Control Locks	removed & stowed
Trim	full travel/set takeoff
Flight Controls	free & correct
Electrical Equipment	off
Avionics Master	off
Magnetos	off
Master Switch	on
Beacon	on/check
Landing/Nav Lights	on/check/off
Avionics Master	on/check fan
Avionics Master	off
Fuel	check quantity
Fuel Shutoff Valve	on (push in)
Flaps	down in stages
Master Switch	off

# WALKAROUND



# 6 PACK INSTRUMENTS



# WEATHER CHECKING

- Should be done before heading to the airport
- If you're unsure about the weather, don't hesitate to text your instructor
- Your instructor may be flying
- If they don't reply, head to the airport anyway
- Usually your instructor would text you ahead of time if weather isn't good enough

# WEATHER CHECKING

Weather could be found at:

[flightplanning.navcanada.ca/cgi-bin/CreePage.pl?Langue=anglais&NoSession=&Page=forecast-observation&TypeDoc=html](http://flightplanning.navcanada.ca/cgi-bin/CreePage.pl?Langue=anglais&NoSession=&Page=forecast-observation&TypeDoc=html)

or

[plan.navcanada.ca/wxrecall](http://plan.navcanada.ca/wxrecall)

The screenshot displays the NAV CANADA Aviation Weather Web Site. The browser address bar shows the URL: [flightplanning.navcanada.ca/cgi-bin/CreePage.pl?Langue=anglais&NoSession=&Page=forecast-observation&TypeDoc=html](http://flightplanning.navcanada.ca/cgi-bin/CreePage.pl?Langue=anglais&NoSession=&Page=forecast-observation&TypeDoc=html). The page header includes the NAV CANADA logo and the text "Aviation Weather Web Site". A navigation bar at the top right contains links for "Login", "Search", "Feedback", "Disclaimer", "Français", "Tips", and "FAQ". Below this, a "What's New" section lists "Weather and NOTAM", "File a Flight Plan", "Publications", "Update Profile", and "PIC Tel.". A blue banner indicates "AWWS News : There are 2 active notices. Last update: 2019/11/08". The main content area is titled "Forecasts and Observations" and includes a link for "Web Site Navigation - Executive Summary". Under "Alphanumeric Data", there are buttons for "AIRMET/SIGMET", "UPR WINDS (FDs)", "METAR/TAF", "NOTAM", "AIC", "Volcanic Ash", "PIREP", "Live RVR", "VFR Route Forecast (A/C, M, O, C)", and "AIP Supplements". The "Graphical Weather Products" section features buttons for "Flight COND", "SIGWX MID LVL", "UPR AIR ANALYSIS", "Graphical FA", "ASEP", "Wx Cams", "SIGWX HI LVL", "CDN TURB FCST", "Local Graphic Fcst West Coast", "COMOX (DND) Charts", "UPR WINDS < FL180", "SIGWX Atlantic", "N ATLC TURB Eastbound", "Radar", "UPR WINDS FL240 to FL450", "SFC ANALYSIS", "N ATLC TURB Westbound", and "Satellite". The "Additional Links" section has buttons for "Airport Diagrams", "U.S. Wx (ADDs)", "U.S. Wx Cams", "Sunrise / Sunset (NRC)", and "NOTICES". At the bottom, a disclaimer states "NAV CANADA is not responsible for the ADDs, U.S. Wx Cams & NRC websites." and a status bar shows "Your time: 29 Nov 2019 12:54:56", "UTC time: 29 Nov 2019 17:54:56", a "Clock Disclaimer" button, and a "Log out" link. A footer note mentions "Weather data provided by Environment Canada and NAV CANADA".



# WEATHER CHECKING

- There is an app on iOS and Android called AeroWeather
- You can add any airports that has a weather reporting station
- You can choose between Raw or Decoded data
- Most importantly, it's free of charge!

# WEATHER CHECKING

09:59 📶 🔋

Edit Stations Today 09:58 Map

🔍 Search

📍 Nearby >

🌟 Widget (0) >

🔔 Alerts >

🖼️ User Weather Images >

**Kitchener, Waterloo International Airport** **CYKF**  
 📶 100° 12 kts 🌧️ 20 kts  
 light rain, mist  
 4.0 km  
 overcast clouds at 2000 ft  
 5°C 100% **IFR**  
 998 hPa → 4 min

**Toronto, Lester B Pearson International** **CYYZ**  
 📶 100° 19 kts 🌧️ 35 kts  
 light rain, mist  
 4.0 km  
 overcast clouds at 4000 ft  
 6°C 93% **IFR**  
 1000 hPa ↘ 6 min

**Toronto/City Centre** **CYTZ**  
 📶 060° 25 kts 🌧️ 31 kts  
 light rain, mist  
 4.8 km  
 overcast clouds at 6500 ft  
 5°C 100% **MVFR**  
 1002 hPa → 35 min

**London, Ont.** **CYXU**  
 📶 140° 15 kts 🌧️ 23 kts  
 light showery rain, mist  
 4.8 km  
 broken clouds at 500 ft  
 8°C 93% **IFR**  
 997 hPa ↘ 33 min

**Hamilton Airport** **CYHM**  
 📶 040° 11 kts  
 light rain, mist  
 4.0 km  
 broken clouds at 3500 ft  
 5°C 100% **IFR**  
 999 hPa ↘ 26 min

🔄 + ⚙️ ○○○

## Kitchener, Waterloo International Airport LT 09:58 Ontario | CANADA UTC 14:58

06:57 ↗ 07:29 🌞 16:48 ↘ 17:20

**METAR** 2019-11-27, 09:55 LT **AUTO** **IFR**  
 3 min

CYKF 271455Z AUTO 10012G20KT 2 1/2SM -RA BR  
 FEW007 OVC020 05/05 A2947 RMK LTNG DIST S  
 SLP988

**TAF** 2019-11-27, 08:38 LT

TAF CYKF 271338Z 2714/2802 10015G25KT 6SM -RA BR  
 SCT020 OVC040  
 TEMPO 2714/2715 2SM -RA BR OVC020  
 FM271500 13015G25KT 6SM -RA BR SCT006 OVC015  
 TEMPO 2715/2718 2SM -RA BR BKN006 OVC015  
 PROB30 2715/2718 11/2SM SHRA BR BKN004 OVC012  
 FM271800 24015G25KT P6SM BKN015 OVC030  
 TEMPO 2718/2724 5SM -SHRA BR  
 BECMG 2718/2720 24020G35KT  
 FM280000 24015G25KT P6SM BKN015 OVC030  
 TEMPO 2800/2802 P6SM -SHRA  
 RMK FCST BASED ON AUTO OBS. NXT FCST  
 BY 272000Z

## Kitchener, Waterloo International Airport LT 09:59 Ontario | CANADA UTC 14:59

06:57 ↗ 07:29 🌞 16:48 ↘ 17:20

**METAR** 2019-11-27, 09:55 LT **AUTO** **IFR**  
 4 min

Wind 100° (E) at 12 knots  
 gusting to 20 knots

Visibility 4.0 km

Weather light rain, mist

Clouds few clouds at 700 ft  
 overcast clouds at 2000 ft

Temperature 5°C, ISA deviation -8°C

Dewpoint 5°C, Relative humidity: 100%

Pressure 998 hPa →

Remarks

Sea-level pressure 998.8 hPa

Not decoded LTNG DIST S

**TAF** 2019-11-27, 08:38 LT

Forecast from 09:00 (27.) to 21:00 (27.):

100° (E) at 15 knots

gusting to 25 knots

9.7 km

light rain, mist

scattered clouds at 2000 ft

overcast clouds at 4000 ft

Temporary 09:00 (27.) to 10:00 (27.):

3.2 km

light rain, mist

overcast clouds at 2000 ft

From 10:00 (27.):

130° (SE) at 15 knots

gusting to 25 knots

9.7 km

light rain, mist

scattered clouds at 600 ft

overcast clouds at 1500 ft

Temporary 10:00 (27.) to 13:00 (27.):

# NOTAMS

Stands for Notice to Airmen

Can be found at  
[plan.navcanada.ca/wxrecall](http://plan.navcanada.ca/wxrecall)

You will also learn how to read  
NOTAMs  
during the course of your training

The screenshot shows the NAV CANADA website's 'Weather and NOTAM' section. The header includes the NAV CANADA logo, 'Collaborative Flight Planning Services', a 'Welcome' message, and a 'Log in' link. The main content area is divided into a left sidebar and a right main panel. The sidebar contains a search bar with 'CYKF (Site)' entered, a 'Search' button, and filters for 'Route Radius (NM)' (set to 50) and 'Local (BC)'. Below these are sections for 'Significant Weather' (with checkboxes for High Level, Mid Level, Surface Depiction, and Surface Prognosis) and 'Turbulence' (with checkboxes for All, 3000, 6000, 9000, 12000, FL180, FL240, FL340, FL390, and FL450). The main panel shows search results for 'CYKF (Site)'. It includes a 'Sort By' dropdown set to 'Location', a 'Display Result Metadata' checkbox, and a search timestamp of '2019-12-01 18:36:31'. The results are displayed in a table with columns for 'Metadata' and 'Bulletin'. Two NOTAMs are listed: 'NOTAM CNKS' and 'NOTAM CYKF'. The 'NOTAM CYKF' entry contains detailed text about runway closures and taxiway conditions at CYKF Kitchener/Waterloo.

NAV CANADA Collaborative Flight Planning Services

Welcome Weather and NOTAM Log in

CYKF (Site) x

Enter Aerodrome, FIR, Navaid, etc.

Search

Route Radius (NM) 50

Local (BC)

Significant Weather

High Level

Mid Level

Surface Depiction

Surface Prognosis

Turbulence

All

3000 6000 9000

12000 FL180 FL240

FL340 FL390 FL450

Sort By Location

Display Result Metadata

Searched performed at: 2019-12-01 18:36:31

Displaying 10/10 results.

Metadata	Bulletin
NOTAM CNKS	(U0446/19 NOTAMR U0440/19 A) CXXX 8) 1911191149 C) 2002181700EST E) CNK9 KITCHENER-WATERLOO (GRAND RIVER HOSPITAL) (HELI) OBST LGT U/S TOWER 432888N 8802789W (APRX 2.4NM ENE AD) 160FT AGL, 1210FT AMSL.)
NOTAM CYKF	000000 NOTAM CYKF KITCHENER/WATERLOO CYKF RSC 08/26 80 FT CL 95 PCT BARE AND DAWP, 5 PCT SLUSH TRACE. RWK: SNOW REMOVAL IN PROGRESS. RUNWAY CLOSED AS PER NOTAM. REPAIRING WTD 100 PCT NET SN 1.5 INS. 1 FT WIDENING ALONG NORTH AND SOUTH CLRD WTD AND ACROSS RWY 14/32. CHEN, 1912011745 CYKF RSC 14/32 100 PCT NET SN 1.5 INS. RWK: RUNWAY CLOSED AS PER NOTAM. 1912011756 RWK: TWY ALL - CAUTION - TAXIWAYS SLIPPERY. RWK: APN ALL - CAUTION - APRONS SLIPPERY.

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# FLIGHT STATUS

Can be found on: [twitter.com/wwfcstatus](https://twitter.com/wwfcstatus)

No restrictions: Everyone can fly

Student no XC: Students are not allowed to go on Solo Cross Country

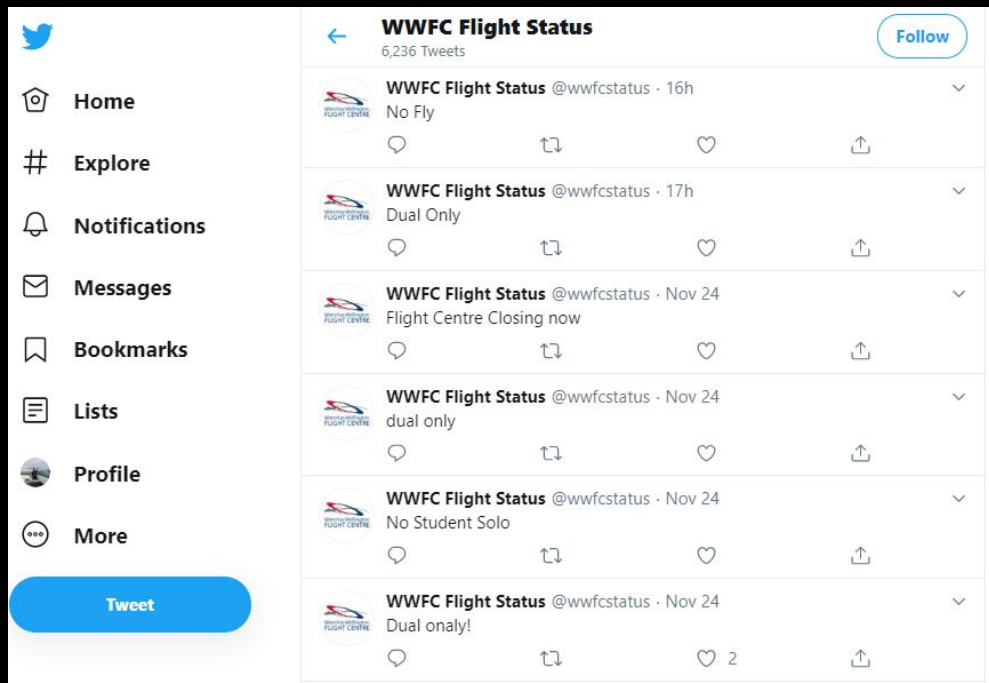
Student Circuits Only: Students are only allowed to fly circuits

Student No Solo: Students are not allowed to go solo

Dual Only: Only dual flights with an instructor are allowed

\*Students = Non-PPL/Non-Night Rated (flying at night)

# FLIGHT STATUS



The screenshot displays the Twitter profile of 'WWFC Flight Status' (@wwfcstatus). The left sidebar contains navigation options: Home, Explore, Notifications, Messages, Bookmarks, Lists, Profile, and More, with a 'Tweet' button at the bottom. The profile header shows the account name, a blue checkmark, 6,236 tweets, and a 'Follow' button. The tweet list includes:

- WWFC Flight Status** @wwfcstatus · 16h: No Fly
- WWFC Flight Status** @wwfcstatus · 17h: Dual Only
- WWFC Flight Status** @wwfcstatus · Nov 24: Flight Centre Closing now
- WWFC Flight Status** @wwfcstatus · Nov 24: dual only
- WWFC Flight Status** @wwfcstatus · Nov 24: No Student Solo
- WWFC Flight Status** @wwfcstatus · Nov 24: Dual onaly!

Each tweet features the WWFC logo, a reply icon, a retweet icon, a heart icon, and a share icon. The bottom-most tweet shows 2 likes.

# WINTER WEATHER CLOTHING

Keep yourself warm in the plane. Also, you might make a landing other than Waterloo so it's best to keep yourself warm

Jackets

Sweater

Boots (bring onboard)

Gloves

Beanie (up to you)

# CESSNA 152 COCKPIT LAYOUT





# CESSNA 172S COCKPIT LAYOUT





# STANDARD OPERATING PROCEDURES (SOP)

A set of Standardized rules that you should follow to ensure a smooth learning experience.

The flight centre is currently adopting a set of SOPs for all aircraft. You'll be using these SOPs when you start your training.

These includes procedures, briefings, checklists and call-outs

# TAXI

## Definition

The movement of aircraft on the ground under its own power

How do you control direction?

The use of rudder pedals

How do you maintain centerline?

By keeping the taxi line under your right leg



# TAXI

## Centreline

A guide for aircraft

Nose wheel should be sat on top of the centreline

Follow the centreline at all times



# TAXI

## Hold Short Line

A Stop sign for aircraft

**Never** go past this line unless directed by ATC.

Used mostly at runway entrances and intersections



# TAXI

## Runway Direction Sign

A sign to signify which runway is beyond the hold short line

Use this to make sure you're at the right runway

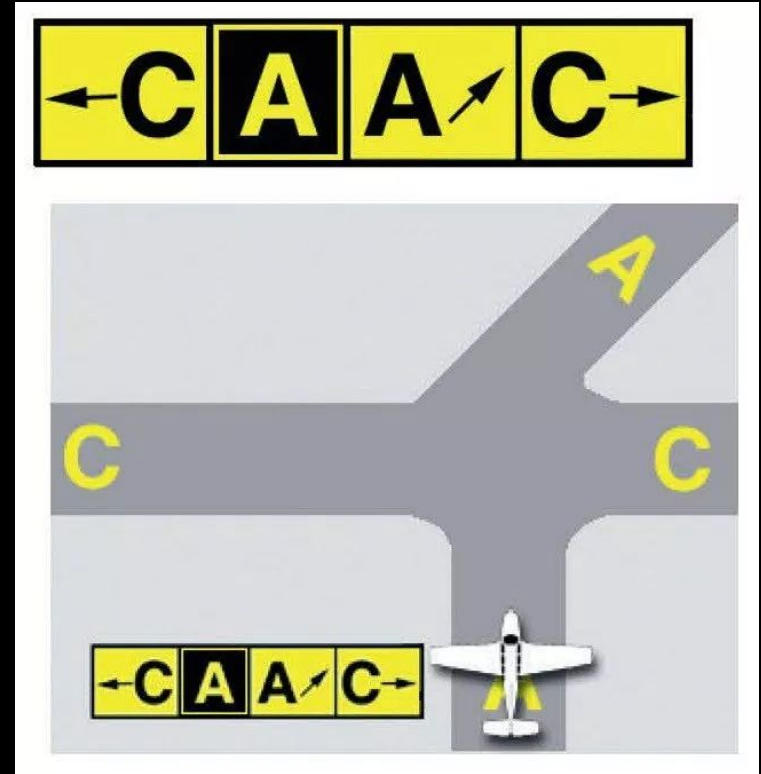


# TAXI

## Destination and Location Sign

A sign to show what taxiway you're on and where a branched off taxi line leads to.

It might seem confusing at first but you should get the hang of it pretty quickly.





APRON II-B

**C-GCBN:** Taxi via Alpha, cross runway 32, squak 1234.

# GROUND SCHOOL COURSES BREAKDOWN

- AVIA101: PPL
- AVIA102: Cross Country Planning (2 weeks)
- AVIA203: CPL, Night Rating
- AVIA204: CPL, Complex Aircraft
- AVIA205: Glass Cockpit, Cross Border Flight (2 weeks)
- AVIA306: IFR, Multi Engine
- AVIA307: IATRA, IFR Scenarios
- AVIA408: No classes



# QUESTIONS?

# Kahoot Time!

**THANKS FOR COMING!**