C172S-G1000 (Ted v1.2)

Initial
- ► Papers - A.R.O.W.
- ► Control Lock - off
- ► Mags. - key out
- ► Mixture - idle cutoff
- ► Throttle - idle
- ► Avionics - off
- ► Fuel Shutoff - on
- ► Fuel - both
- ► Master - on
- ► Fuel - note
- ► Flaps - down
- ► Lights/Pitot - test
- ► Avionics on/off - fans
- ► Master - off
- ► Hobbs Time - note

Walkaround
- ► Fuel/Oil - dip/sample
- ► Caps/Drains/Vents
- ► Surfaces/Controls
- ► Exhaust/Antennas
- ► Prop/Belt/Air Intake
- ► Pitot/Static/Stall
- ► Gear/Tires/Brakes
- ► Ties/Baggage Door
- ► Final Walkaround

Pre-Start
- ► Doors - secure
- ► Belts/Seat Track
- ► Brakes - check, set
- ► Circuit Brkrs. - check
- ► Passenger - brief
- ► Beacon - on
- ► Avionics - off
- ► Fuel - both

Start
- ► Stby. Battery - test/arm
- ► Engine Ind. - no Xs
- ► Volts - [[E>24] [M<1.5]]
- ► Amps - S<0/ann on
- ► Prime:
  - • Mixture - idle cutoff
  - • Brakes - secure
  - • Master - on
  - • Throttle - slight
  - • Aux. Pump - on
  - • Mixture - prime
    - · warm: 0-3 sec
    - · cold: 3-5 sec
  - • Aux. Pump - off
- ► Mixture - 3/4 rich

- ► "Prop Clear!"
- ► Mags. - start
- ► Throttle - 1000 RPM
- ► Oil Pressure - 30 secs.
- ► Volts/Amps - [[>26] [>0]]
- ► Mixture - lean for taxi

Pre-Taxi
- ► Flaps - up
- ► Lights - as required
- ► Avionics - on/set
- ► GPS - DB date
- ► Fuel Totalizer - enter
- ► ATIS - PFD/backup/AP(?)
- ► Radio - test
- ► Transponder - squawk
- ► Check - TC/AI/HSI<->MC
- ► Clearance - obtain
- ► Brakes - test

Run-Up
- ► Brakes - set
- ► Seat Belts - check
- ► Doors/Windows - secure
- ► Flight Controls - correct
- ► Instruments - scan
- ► Alternate Static - check
- ► AP - MET/HDG
- ► Trim - takeoff
- ► Fuel - on/both
- ► Hdg./Alt. Bugs
- ► GPS/Status Bar/Ann. Test
- ► MFD Range/Track Up
- ► Comm/Nav/VOR/FP
- ► Mixture - rich
- ► Throttle - 1800 RPM
- ► Mags. - 150, 50
- ► Engine Inst. - check
- ► Idle Check
- ► Throttle - 1000 RPM
- ► Mixture - lean
- ► Lights - as required
- ► ADSB Handheld - on

Pre-Takeoff
- ► Abort Plan/Lost Comm.
- ► Fuel - on/both
- ► Flaps - 0-10°
- ► Mixture - rich
- ► Aux. Pump - off
- ► Pitot heat - as required
- ► Review Airspeeds
- ► Time - note/start

Takeoff
- ► "Lights, Camera, Action"

- • Mixture/Throttle
- ► Engine Inst. - green
- ► Vr - 55 kts
- ► Vx - 62 kts, Vy - 74 kts

Climb / Cruise
- ► Cruise Climb - 75-85 kts
- • Flaps - up
- ► Mixture - lean >3000'
- ► Flow Check (↻15 min)
- • Fuel, Trim
- • Flaps, Engine Inst.
- • Mixture, Throttle
- • Master, Mag., Pump

Descent
- ► Mixture - richen slowly
- ► Throttle - as required
- ► Flow Check

Pre-Landing
- ► ATIS/Rwys & Patterns
- ► "CCGUMPSF"
- • G: Fuel - on/both
- • M: Mixture - rich
- • S: Seat Belts - secure
- • F: Flaps - as required
- ► Trim - as required
- ► Ldg. Light - on
- ► Approach - 80-65 kts

Post-Landing
- ► Throttle - 1000 RPM
- ► Mixture - lean
- ► Flaps - up
- ► Pitot Heat - off
- ► Trim - takeoff
- ► Lights - as required
- ► Clearance - obtain

Shutdown
- ► ELT - check (121.5)
- ► Avionics - off
- ► Lights - off
- • Beacon - on
- ► Throttle - 1000 RPM
- ► Mags. - off then both
- ► Mixture - idle cutoff
- ► Mags. - key out
- ► Master - off
- ► Tach Time - note
- ► Stby. Battery - off

Post-Flight
- ► ADSB Handheld - off
- ► Tiedowns/Chocks
- ► Pitot Cover

- ► Fuel - switch to L/R
- ► Gust Lock
- ► Close Flight Plan
- ► Hobbs Time - note
- ► Check Under Seats
- ► Cabin / Baggage - lock
- ► Post-Flight Walkaround

Engine Failure

- ► Short Flow
  - • Fuel - on/both
  - • Mixture - full/check
  - • Electrical Pump - on
  - • Alternate Air - on
  - • Mags. - check all
- ► Glide and Trim
  - • Speed: 68 kts
  - • Ratio: 9, 1.48nm/1000ft
- ► Wind and Landing Site
- ► Longer Flow
  - • Engine Indicators
  - • Short Flow Again
- ► No Restart
  - • Fuel - off
  - • Mixture - idle cut-off
  - • Prop/Throttle - off
  - • Mags. - off
  - • Master - off
  - • Belt and Seat - check
  - • Unlatch Door
  - • Brace
- ► Approach - 80/70/65 kts