
Instrument Cockpit Check

Aviation Instructor's Lesson Plan

OBJECTIVE This lesson will gain knowledge of the elements related to preflighting instruments, avionics, and navigation equipment by explaining the reasons for the check and how to detect possible defects.

- ELEMENTS**
- Communications equipment
 - Navigation equipment, as appropriate to the aircraft flown
 - Magnetic compass
 - Heading indicator
 - Attitude indicator
 - Altimeter
 - Turn-and-slip indicator/turn coordinator
 - Vertical speed indicator
 - Airspeed indicator
 - Clock
 - Power source for gyro instruments
 - Pitot heat
 - Electronic flight instrument display
 - Traffic awareness/warning/avoidance system
 - Terrain awareness/warning/alert system
 - FMS
 - Autopilot

- REFERENCE**
- The Flight Instructor's Kit***
- Area of Operation 2, Task E: Airplane Systems and Flight Instruments
 - Area of Operation 3, Task A: Taxiing

COMPLETION STANDARDS The student should be able to perform the preflight on instruments, avionics, and navigation equipment by following the checklist appropriate to the aircraft flown, and be able to determine whether the aircraft is safe for instrument flight or requires maintenance.