
Operation of Systems

Aviation Instructor's Lesson Plan

OBJECTIVE This lesson will develop the student's knowledge and proper use of the airplane's systems.

- ELEMENTS**
- Primary flight controls and trim
 - Flaps, leading edge devices, and spoilers
 - Powerplant and propeller
 - Landing gear
 - Fuel, oil, and hydraulic
 - Electrical
 - Avionics
 - Pitot-static vacuum/pressure and associated flight instruments
 - Environmental
 - Deicing and anti-icing

- REFERENCE**
- The Flight Instructor's Kit***
- Area of Operation 2, Task D: Airplane Controls and Control Surfaces
 - Area of Operation 2, Task E: Airplane Systems and Flight Instruments

COMPLETION STANDARDS The student should be able to describe the operation of each of the aircraft's systems during normal and abnormal conditions. The student should also be able to locate each component and demonstrate the proper use of any system applicable to the training airplane.