

# Stage 1 / Module 3

**Minimum 141 Requirements:** Dual  
1.0 hour flight  
1.5 hours ground instruction



## Ground Training

### Objective:

For the student to understand how to properly operate the engine, and have an understanding of the flight instruments.

### Content:

#### Engine operation

- \_\_\_ Starting the engine
- \_\_\_ Stopping the engine
- \_\_\_ Changing power setting with a constant-speed propeller
- \_\_\_ Engine handling
- \_\_\_ Rough running
- \_\_\_ Cross-checking engine instruments
- \_\_\_ Taxiing
- \_\_\_ Engine failure in flight
- \_\_\_ Engine fire in flight
- \_\_\_ Engine fire on startup

#### Flight instruments

- \_\_\_ Pressure Instruments
  - \_\_\_ static pressure
  - \_\_\_ dynamic pressure
  - \_\_\_ total pressure
  - \_\_\_ pitot-static system
  - \_\_\_ airspeed indicator
  - \_\_\_ altimeter
  - \_\_\_ vertical speed indicator
- \_\_\_ Gyroscopic Instruments
  - \_\_\_ turn coordinator/turn indicator
  - \_\_\_ attitude indicator
  - \_\_\_ heading indicator
- \_\_\_ Magnetic compass

### Completion Standards:

This lesson is complete when the student has successfully completed all review questions following the assigned reading.

### Assignment:

*Ground School*, Chapters 6 and 7



## Flight Training

### Objective:

For the student to become proficient in postflight and trimming procedures. The student will also be introduced to Slow Flight and become oriented with the practice area.

### Content:

- \_\_\_ Preflight
- \_\_\_ Use of sectional
- \_\_\_ Radio communications
- \_\_\_ Normal takeoff and departure
- \_\_\_ Review of four basics
- \_\_\_ Trimming
- \_\_\_ Outline of practice area and reference to airport
- \_\_\_ Slow Flight
- \_\_\_ Collision avoidance
- \_\_\_ Normal approach and landing
- \_\_\_ Postflight procedures

### Completion Standards:

This lesson is complete when the student can maintain flight within 200 feet altitude, 20 degrees heading, and 20 knots airspeed, while performing the maneuvers listed in the content of this module. Also the student must be proficient in the art of trimming, postflight operations, be oriented to the practice area and airport, and be familiarized with Slow Flight.

### Recommended Reading:

*Flight School*

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**Date of Completion:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Time Flown:** \_\_\_\_\_