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# Engine Starting

## Aviation Instructor's Lesson Plan

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**OBJECTIVE** This lesson will be introduced to the recommended engine starting procedures and the associated safety hazards.

- ELEMENTS**
- Safety precautions related to starting
  - Use of external power
  - Effect of atmospheric conditions on starting
  - Importance of following the appropriate checklist
  - Adjustment of engine controls during start
  - Prevention of airplane movement during and after start
  - Safety procedures for hand propping an airplane
  - Carburetor fire hazard

- COMMON ERRORS**
- Failure to properly use the appropriate checklist
  - Failure to use safety precautions related to starting
  - Improper adjustment of engine controls during start
  - Failure to ensure proper clearance of the propeller

- 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
  - Area of Operation 7, Task E: Checklist Usage

**COMPLETION STANDARDS** The student should be able to follow recommended engine starting procedures using an appropriate checklist and take necessary safety precautions to protect persons and property in the vicinity of the airplane from being injured or damaged by the aircraft.