

Lexington Model Airplane Club ( LMAC)  
**Basic Flight Training Syllabus**  
www.lmacky.org    www.modelaircraft.org

Requirements for flight training

- Membership in the Academy of Model Aeronautics (AMA).
- Membership in the Lexington Model Airplane Club.
- Sign a Instructor Liability Release form to enable instructor to fly your model.
- A powered RC model airplane (AC) suitable for basic flight training with starting equipment.

Training Objectives:

- To gain a working knowledge of local area flight procedures and safety rules.
- To be able to setup and prepare a model airplane for safe flight.
- To be able to safely fly basic flight maneuvers.
- To develop skills to safely fly 3 (each) solo landing patterns, touchdowns, takeoffs and go-arounds without instructor assistance.
- To provide a foundation for learning more advanced flying.

Safety Rules:

- Never turn ON transmitter until you have put your AMA license on the frequency board and are at the starting stand. This will prevent two transmitters active on the same frequency (which will cause a loss of control of a plane in flight.)
- Never start an engine without first placing the aircraft (AC) on a starting stand.
- Never reach over the running propeller to remove the glow starter or to adjust mixture.
- Never run up an engine while standing in front or side of the propeller.
- Never taxi a running plane toward the starting stand or pits.
- Never fly over the pits or parking lot.
- Never make high speed passes over runway.
- Never fly more than 4 pilots. Stand in pilot positions.

LMAC Airfield Procedures

- If AC goes down on the LFUGC property (ie, other side of the fence), then permission must be gotten from the LFUCG Scale House before looking for the AC or retrieving the AC.
- Keep other pilots notified of your intentions for landing, takeoff and go-arounds. Recommend using a spotter person to assist with flight safety and keeping other pilots informed.

Preparing for Flight - At Home

- Fully charge batteries within 24 hours of flight.
- Check and adjust C.G. on airplane with fuel tank empty.
- Check & adjust control surfaces for looseness, proper travel, movement direction and center trim setting.

Preparing for Flight - At the Airfield

- Fully fill fuel tank and check battery charge before each flight. ( TX greater than 9.6volts, RCVR greater than 4.8volts )
- Place AMA card on Frequency Board before activating TX
- Perform engine run-up to check mixture setting for stable idle, throttle response, and full RPM.
- Check TX range and control surfaces for proper movement and trim setting

Crash Avoidance & (Unusual Attitude Recovery)

- Avoid flight directly overhead (Don't take eyes off of AC )
- Avoid steep bank maneuvering on final approach and landing (Immediately perform a go-around maneuver)
- Avoid a low speed turn to fly with the wind (Immediately apply full power and level wings)
- Avoid continuing to land after ballooning plane on landing (Immediately perform a go-around maneuver)
- Avoid flying airplane in poor visibility such as between you and the Sun, or before sunset, or at long distances. (Maintain consistent flight until passing out poor visibility area)
- During loss of visibility & flight orientation (Recover by neutralizing controls and reduce throttle, then look for plane to dive, pull up elevator, roll wings level with horizon into a climb)