

Selecting Your Airplane and Radio

Marymoor R/C Club, Redmond, WA
AMA Charter 1610



Recommended Airplanes

Available at Redmond Hobby Town (along with good advice)



E-Flite Apprentice



Park-Zone Sport Cub

- **Electric power is strongly recommended for training**
- These examples, or airplanes with the following characteristics
 - Wheels large enough to take off from grass (2 ½ inches diameter). Apprentice airplanes need upgraded wheels
 - High Wing with dihedral
 - Ailerons required for our program
 - Nose wheel or tail wheel landing gear are OK. Tail wheel is better on our grass field and more durable.

Selecting a Transmitter

- MAR/C Training program provides the instructor's "buddy box" transmitter.
- You must own a **Spektrum** or **Futaba** brand transmitter to be compatible with the club buddy boxes, or you must provide your own buddy box
- A simple transmitter might be supplied with a "Ready to Fly" (RTF) model like the Apprentice
- Better ones with more channels are a good investment if you are sure you will stick with the hobby
- Protect the switches and sticks by storing it in a case or a plastic box with padding



Power Options

- Electric Motor (strongly recommended for training)
 - Must understand safe charging and storage of Lithium-Polymer (LiPo) batteries.
- Internal combustion “gas” engines (not recommended)
 - Traditional “Glow” model airplane engine
 - New small gasoline ignition engines
 - Require different field equipment than electric
 - More difficult to achieve reliable operation
 - Must have a sound check inspection – 90db is the limit

Electric Power Support Equipment

- Arrive at training with 3 fully charged batteries, or 2 fully charged batteries and a charger.
- Recommended:
 - Battery checker for checking the charge status of a battery before and after the flight
 - A charger that can tell you about health of the battery (upgrade from the one supplied with an Apprentice)

Disclaimers

MAR/C provides advice. After you gain solo flight privileges, *only you* are responsible for your model aircraft readiness, your actions, and abilities

Any instructions provided by the manufacturers of equipment such as but not limited to aircraft, radio controls, batteries, motors or engines and anything installed in your airplane have precedence over any advice provided by instructors, this document, or the mar-c website..

Flying and teaching techniques vary widely in our hobby, and vary from one instructor to another.

The goal of this document is to encourage some standardization and provide a practical minimum amount of knowledge.

Version Information

Version	Author	Date	Description
1.5	Brian Kelly	April 2017	Aligned Flight Training Syllabus with new flight log. Misc corrections and refinements
1.6	Brian Kelly	4/19/2017	Misc edits, repaired links, to prepare for website update
1.7	Brian Kelly	4/26/2017	Corrections and misc edits
1.8	Brian Kelly	9/28/2017	Updated Proficiency Check and misc edits
2.0	Brian Kelly	Nov 2018	Broken into separate standalone chapters for quicker access on the website.