**Rich Valley RC Club Flight Instruction Checklist**

This program is designed so each student can progress through it at their own pace. There are lots of things to learn. Don’t be discouraged.

**GROUND SCHOOL AREAS OF INSTRUCTION**

\_\_\_\_ AMA Safety Rules

\_\_\_\_ Club Rules

\_\_\_\_ Transmitter Impound and Frequency Board use.

\_\_\_\_ Understanding frequency intermodulation.

\_\_\_\_ Transmitter control explanation

\_\_\_\_ Battery Check and maintenance procedures

\_\_\_\_ Aircraft pre-flight inspection

\_\_\_\_ Center of Gravity check

\_\_\_\_ Range checking of aircraft

\_\_\_\_ Pit area safety and etiquette

\_\_\_\_ Propeller safety

\_\_\_\_ Engine starting procedures

\_\_\_\_ Engine carburetor and run-up procedures

\_\_\_\_ Control surface check prior to take-off

\_\_\_\_ Positioning oneself in relation to wind conditions and sun position. Determining a flight area.

\_\_\_\_ Trimming the aircraft for straight and level flight. How power settings affect trim.

\_\_\_\_ Field communications. (Man on the field, taking off, landing, dead stick, etc.

\_\_\_\_ What makes it fly. Importance of maintaining airspeed.

\_\_\_\_ Use of a spotter when there’s a lot of activity. A spotter can warn the pilot of impending danger.

**FLIGHT INSTRUCTION**

\_\_\_\_ Instructor demonstrates take-off, trimming and landing the aircraft

**STUDENT FLIGHT DRILLS**

\_\_\_\_ a. Large circles both clockwise and counter-clockwise maintaining altitude and remaining within the designated flight area.

\_\_\_\_ b. Figure 8’s

\_\_\_\_ c. Maneuvers on command

 \_\_\_\_ 1. Left and right turns away from the student

 \_\_\_\_ 2. Left and right turns toward the student. Explanation of direction reversal when coming towards you. Move stick to low wing or position yourself as if you were inside the plane and look over your shoulder.

\_\_\_\_ d. Throttle work

 \_\_\_\_ 1. Flying various maneuvers at different throttle settings

 \_\_\_\_ 2. Changing throttle settings on command

\_\_\_\_ e. Stall procedures

 \_\_\_\_ 1. Slow flight

\_\_\_\_ f. Rudder work

 \_\_\_\_ 1. Stall turns

 \_\_\_\_ 2. Rudder only turns

\_\_\_\_ g. Basic aerobatics

 \_\_\_\_ 1. Stalls

 \_\_\_\_ 2. Loops

 \_\_\_\_ 3. Aileron Rolls

 \_\_\_\_ 4. Snap rolls

 \_\_\_\_ 5. Split “S”

 \_\_\_\_ 6. Immelman

 \_\_\_\_ 7. Spins and spin recovery

\_\_\_\_ h. Landing drills (with gradually decreasing altitudes). Throttle and elevator controls change function when landing. Elevator is used to increase or decease speed, throttle is used to increase or decrease altitude.

 \_\_\_\_ 1. Approaches using right hand pattern

 \_\_\_\_ 2. Approaches using left hand pattern

 \_\_\_\_ 3. Emergency landing procedures