



# BELL AIR R/C FLYERS FLIGHT TRAINING PROGRAM

Bellingham, Washington



Fellow Radio Control Flyer,

Welcome to our club's flight training program. As a new or not so new member you are entitled to participate in an excellent Training Program designed to get you into the air as safe and efficiently as possible. Our club maintains a cadre of experienced, friendly and very willing to help Flight Instructors. Whether you need primary flight instruction, an aircraft inspected, or a safety checkout (because it's been a few decades, lol) or maybe even some advanced training, we have got you covered! Your progress will be limited only by your willingness and enthusiasm to ask questions. If you have any questions please direct them to the Flight training coordinator: [odelldeveauxjr@yahoo.com](mailto:odelldeveauxjr@yahoo.com) or any of the club's officers. All our flight instructors have three main areas of concern; First and foremost is your **SAFETY** and the **SAFETY** of all others at the flying site. Our second concern is the protection of your aircraft and other personal property at the flying site. Finally, our third concern is to teach you to fly in a safe and controlled manner. The goal is to produce **SAFE, COURTEOUS** and **COMPETENT** R/C pilots who can have fun while learning the finer points of model aviation.



**Note:** Every effort will be made to ensure that only one student is assigned per instructor.

You deserve specialized and personally tailored instruction! The key to a successful solo is consistent training. The student and instructor can develop a training schedule that will decrease the amount of time to attain a level of acceptable performance. Quite often our flight instructors are at the field enjoying the hobby themselves.

You will be expected to participate on a regular basis and as for any additional assistance you may require. There are two things as a student you must remember; One, the decision to enter the program is yours. The individuals who provide instructions will do their absolute best to ensure **accident-free instruction**. Should an accident occur, the **Instructor assumes no liability for your Aircraft**. Two, the instructor will respond in an emergency to safeguard the life and limb of all present. The instructor will take whatever corrective action deemed necessary to ensure flight safety.



## THE FLIGHT TRAINING PROGRAM FLIGHT LOG

At the beginning of the training program you will be given a flight log to help monitor your progress. It is **MANDATORY** that the student brings the log to each flying session and that **all entries are maintained**. After each session, the instructor will initial and date that the flight level was completed to a satisfactory level of competency. Only then will the student be permitted to progress to the next Flight level.

The training program includes five levels designed to teach you to fly quickly, safely and competently. Each Flight level increases in difficulty. The main thrust of any training program must be directed toward the final level of competence in the skill being taught. In your case the **“SOLO”** of a **RADIO-CONTROLLED MODEL AIRPLANE**. It will take dedication and a decent amount of effort on your part. With some patience and a good attitude, you will attain and complete the final Flight level. The following is a list of the required Flight levels:

### FLIGHT LEVEL 1

The first level of instruction is **NO FLIGHT**. Your instructor will introduce you to some recommended preflight procedures. The goal here is to set yourself up for a successful training session and flight. First thing is to conduct a thorough inspection of the model to determine the airworthiness. After the initial instructor guided inspection, it will be up to you the student, to demonstrate the proper preflight of the aircraft before each session. The instructor may advise or recommend any improvements prior to the flight. Even at the cost of training session. This is the patience part; it is better to make sure the aircraft is airworthy so that you may enjoy successful first flight and subsequent flights. Trust us, we've all lost models in our excitement to get airborne.

### FLIGHT LEVEL 2

This is the beginning of the actual flight portion of your training. After having read and understood the **Rules/Regulations** of the flying field as well as becoming aware of the **Field Etiquette**, you are now ready for your first flight lesson. All flights will be performed in the areas designated by the instructor to assure aircraft spacing and safety. All efforts must be made to **AVOID FLYING OVER THE PIT AREA OR PARKING LOT**. The instructor will now give your aircraft its initial flight check prior to having you take the controls to insure it's airworthiness, as well as trim the aircraft for straight and level flight. Once you are given control of your aircraft you will be asked to perform the following maneuvers:

1. Straight and level flight
2. Left- and Right-hand Traffic pattern, which includes the recognition of Upwind, Crosswind, Downwind, Base leg and final approach.
3. Figure eight pattern, Left and Right hand with 45degree intersections.

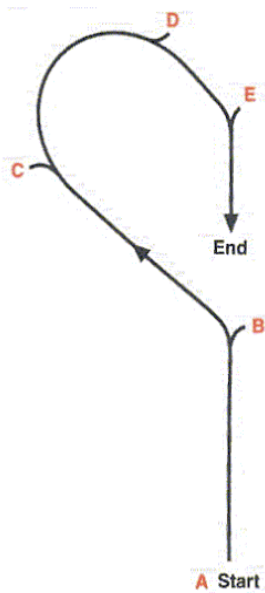
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Upon satisfactory completion of these maneuvers you will be advanced to the next flight level.

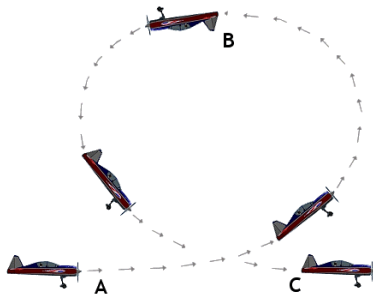
### FLIGHT LEVEL 3

The activities included at this level are designed to exercise better control and improve precision of the maneuvers. The student will perform the following maneuvers:

1. Again, Left- and Right-hand Traffic patterns with the addition of controlled and smooth altitude changes.
2. Procedure turn.



3. Left- and Right-hand figure eight pattern with 90 degree intersections.
4. A simple loop.



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## **FLIGHT LEVEL 4**

In preparation for advancement to the final level of instruction you will be expected to become proficient in the following maneuvers:

1. Taxi and takeoff.
2. Slow flight, maintaining altitude and airspeed by utilizing throttle control.
3. Stall and unusual attitude recovery.
4. Demonstrate a proper traffic pattern and proper landing approach procedures. **DO NOT TOUCH DOWN.**

## **FLIGHT LEVEL 5**

This is the flight level you have been working so hard towards. We will now work on your ability to land the airplane. It is strongly recommended when this level is attained, the instructor and student now arrange additional and concentrated flight instruction. Flight training will now be conducted at lower altitudes. Take special care to verbally acknowledge when either party has direct control of the aircraft. The student must be thoroughly capable of controlling the aircraft and initiating a missed approach, unassisted. The maneuvers required for Flight Level five include:

1. Traffic pattern and landing.
2. Touch-and-go landing.
3. Forced landing, throttle at idle.
4. Dead stick landing (**simulated**).
5. Solo flight (**unassisted**).

In conclusion, we hope this training program has provided you with the skills and confidence needed to safely control a model aircraft. Hopefully during your endeavor, you have enjoyed the new friendships gained. This is your program and exists to serve you! If you have any questions, please do not hesitate to ask. If you have any suggestions that you feel would improve the experience, please also pass them along to the training coordinator or any of the club officers.

**Please obey all Club and AMA rules and regulations while flying at the club field.**

# **Happy Flying!**

**And welcome to the best R/C club in the great Northwest**

**Bell-Air's Instructors are available by appointment**

## TRAINING PROGRAM FLIGHT LOG

Name of student: \_\_\_\_\_

Students AMA #: \_\_\_\_\_

Name of airplane: \_\_\_\_\_

### FLIGHT LEVEL 1

1. Student has completed pre-flight checklist.
2. Student has completed pre-flight of aircraft at field.

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

### FLIGHT LEVEL 2

1. Student has read and understands the Bell-Air Flying field Rules and Regulations.
2. Straight and level flight.
3. Left- and right-hand oval racetrack patterns.
4. Left- and right-hand figure (8) patterns, with 45-degree intersections.

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

### FLIGHT LEVEL 3

1. Left- and right-hand traffic patterns with throttle and altitude changes.
2. Procedure turn.
3. Left- and right-hand figure (8) pattern with 90-degree intersections.
4. Loop

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

## FLIGHT LEVEL 4

1. Taxi and take off
2. Slow flight, while maintaining altitude and airspeed control utilizing throttle.
3. Stall and unusual attitude recover.
4. Demonstrate a proper traffic pattern and proper landing approach procedures. **DO NOT TOUCH DOWN.**

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

## FLIGHT LEVEL 5

1. Traffic pattern and landing.
2. Touch-and-go landing.
3. Forced landing, throttle at idle.
4. Dead stick landing (**simulated**).
5. Solo flight (**unassisted**).

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor: \_\_\_\_\_ Date: \_\_\_\_\_

Witness: \_\_\_\_\_ Date: \_\_\_\_\_

## Congratulations!



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