

Third Session – Taking Off and Landing

This segment will cover the basic guidelines for launching and landing an RC Model airplane. Your Instructor will provide details.

With all your pre-flight checks and range check complete, and the transmitter antenna *fully* extended,

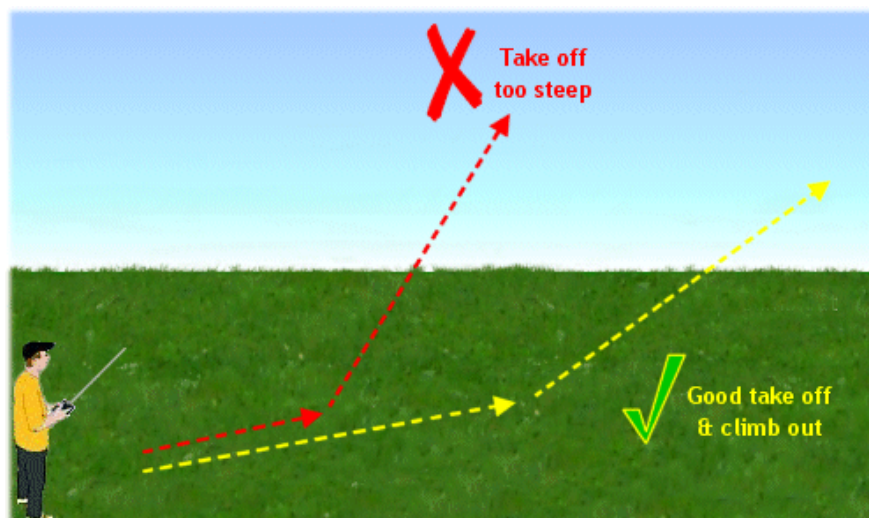
1. Taking Off

Rule No. 1 – **ALWAYS** take off **INTO** the **WIND**.

There are two approaches to taking off:

a. Taxi the plane to the middle (or close to it) of the flying field (hold the elevator UP to keep the tail DOWN on the ground). Signal your intentions to take off to those on the flight line, and slowly advance the throttle to get the plane rolling. Release the elevator stick and when the tail lifts off the ground, advance the throttle and advance the elevator stick to begin climbing out.

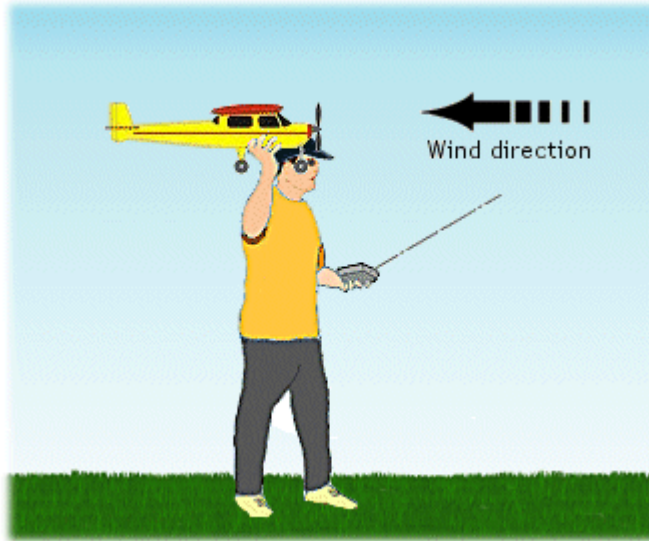
The idea is to slowly apply up elevator to get a smooth take off. DON'T jerk the plane into the air! You might not have sufficient lift to fly and you will **STALL** (left wing dips down, and rolls left) and crash!!



b. **Hand Launch** the plane.

Small planes, you can launch. Larger planes you can have a friend do it for you.

Apply throttle, when you feel the motor pulling hard, **PUSH the plane forward and slightly on an upward angle**. The plane may drop a little, just give it more throttle and up elevator and ailerons to level the wings. Continue flying out to at a low angle until you get to the height you are comfortable with and fly in the pattern established by those in the air. **Fly close to the field** so you can see the plane.

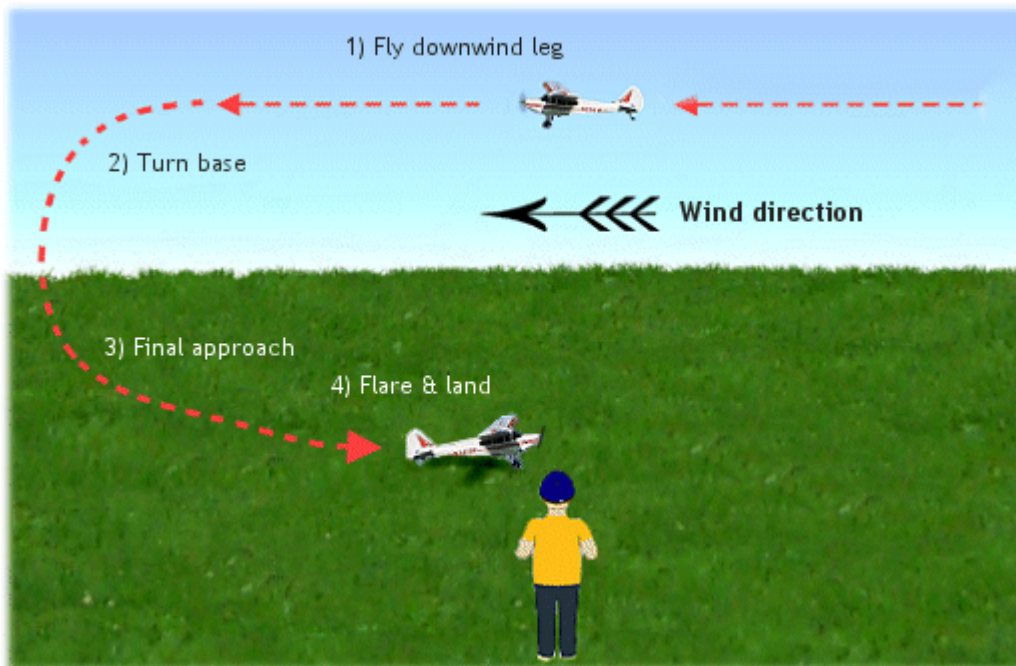
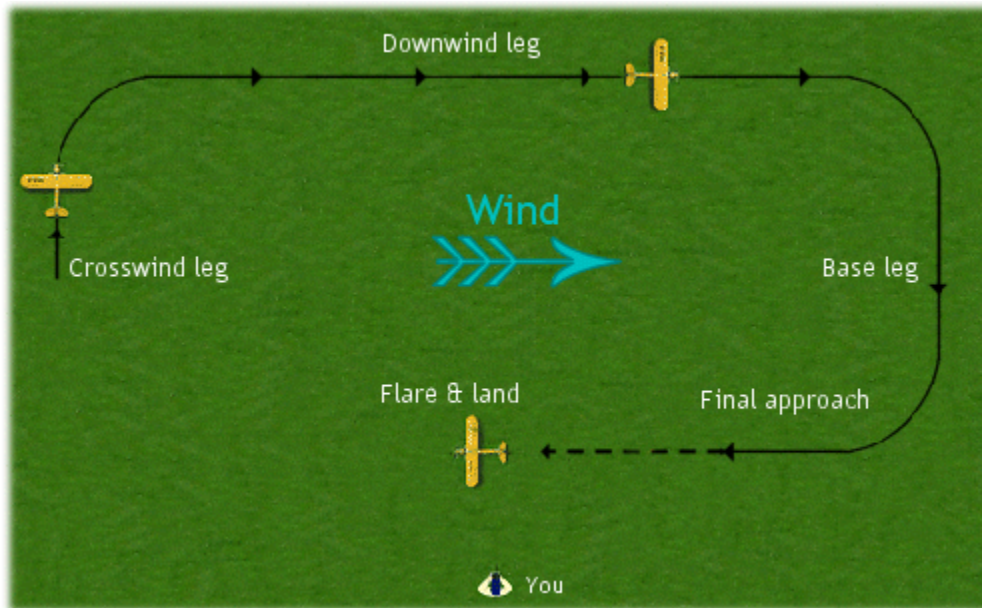


Use **small stick movements** to correct forward movement. Have your spotter adjust the trims on your TX to correct for level flight.



Landing the Plane

Use the following diagrams to set up your landing, ALWAYS into the wind.



It's a good idea to practice the approach pattern BEFORE you attempt to land.

On final approach, keep the plane level, slowly reduce throttle and use the RUDDER to maintain alignment over the field. As the plane sinks, reduce throttle (BUT NOT OFF)

and as the wheels touch the ground, apply up elevator to keep the tail on the ground and cut power.

There, you can now relax!!