Launch Checklist

- ❏ Ensure that at least two people are using this checklist to observe the launch
- ❏ Ensure the stability of the model is being monitored
- ❏ Ensure that the recovery system is successfully deployed.
- ❏ Carry out a safe recovery of the model
- ❏ If radio control is used for flight functions (e.g. recovery), check that the operating frequency is in the 27, 50, 53, or 72 megahertz bands. Use of 75 megahertz for flight functions is not permitted.
- ❏ Ensure rocket trajectory is being tracked during flight. Be aware of tilt or drift from mass/aerodynamic imbalance, wind, or other sources. **Do not turn off the altimeters.**
- ❏ Ensure crosswind positioning of spectators and vehicles
- ❏ Ensure that the launch pad is being monitored after takeoff in case any dangers arise at the pad
- ❏ Ensure all passerby and spectators are aware of the launch
- ❏ Call a loud “Heads up!” (If needed, sound an air horn) in the case of any rockets approaching the prep area or spectators; all who see the incoming rocket should point at it as it descends.
- ❏ Monitor the flight path, using binoculars if necessary
- ❏ Make sure whoever is responsible for recovery is kept fully aware of the status of the rocket (failed to launch, nominal in-flight, mid air failure, returning for recovery, etc.)
- ❏ Communicate launch progress effectively to NASA officials, if needed

In the case of a misfire:

- ❏ Wait a minimum of one minute
- ❏ Disarm launch controller and avionics
- ❏ Remove failed igniter and motor if needed