

**Topic**

- ☐ 1 Get weather data and calculate optimal launch rod angle.
- ☐ 2 Calculate optimal launch mass.
- ☐ 3 Remove old engines, and install new engines (2x D12-7).
- ☐ 4 Install 4 sheets of recovery wadding.
- ☐ 5 Fold and pack parachute.
- ☐ 6 Test altimeter battery for voltage (OK if greater than 11 volts).
- ☐ 7 Place altimeter and battery in altimeter compartment (do not power up the altimeter).
- ☐ 8 Pack egg in plastic bag and pack egg in payload compartment.
- ☐ 9 Weigh rocket (g) and add tracking powder as necessary.
- ☐ 10 Take 2 igniters and install them in the motors.
- ☐ 11 Place 2 plugs in the bottom of the engines to hold the igniters in the engines.
- ☐ 12 Twist igniter wires together.
- ☐ 13 Set up launch pad, level launch pad, set up launch rod, and place rocket on the launch rod.
- ☐ 14 Remove arming plug from launch panel.
- ☐ 15 Scrape the leads to the launch controller to insure proper contact with the igniters.
- ☐ 16 Clip leads to igniters.
- ☐ 17 Power up altimeter, and seal altimeter compartment with electrical tape.
- ☐ 18 Ensure no one is closer than 30 feet.
- ☐ 19 Ensure airspace is clear.
- ☐ 20 Arm launch panel.
- ☐ 21 Check igniter continuity.
- ☐ 22 Begin count down from 5.
- ☐ 23 Launch.