

## LAUNCH SITE PREPARATIONS

Below is a description of each position that may be needed and a layout of the field to help you organize your launch day.

**Range Safety Officer (RSO)** - Yourself or the leader who is in charge. The RSO has the final say in all situations. The RSO watches the safety key at all times and checks the air-worthiness of all rockets.

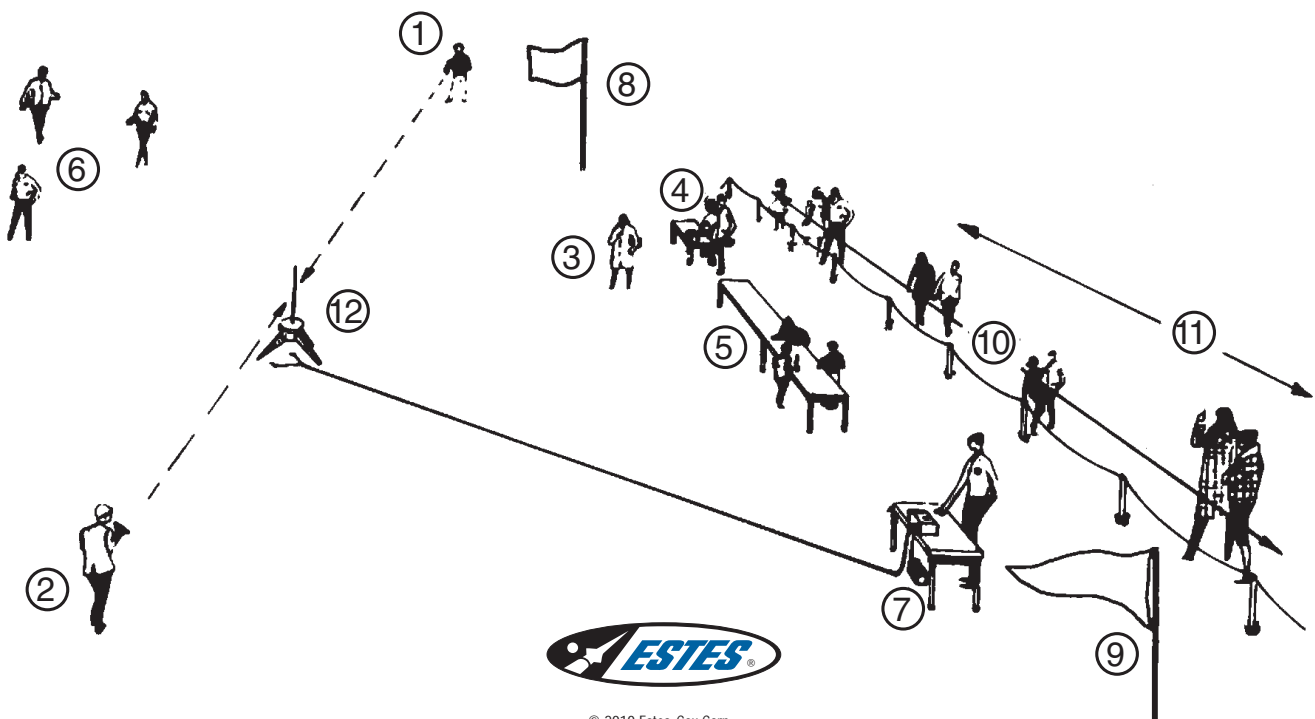
**Launch Control Officer (LSO)** - The person responsible for actually firing the rocket. Control panel set-up and dismantling is also this person's responsibility.

**Tracking Officer (TO)** - This person is responsible for the set-up, operation and coordination of the tracking sites.

**1-2 Tracking Site** - These could consist of several positions at each site. Positions could include: tracking the rocket to measure its altitude, recording altitude data and a runner to communicate with the TO back at the launch pad.

**Recovery Crews (RC)** - Consist of several people who follow the flight, recover and return the rocket to the range head.

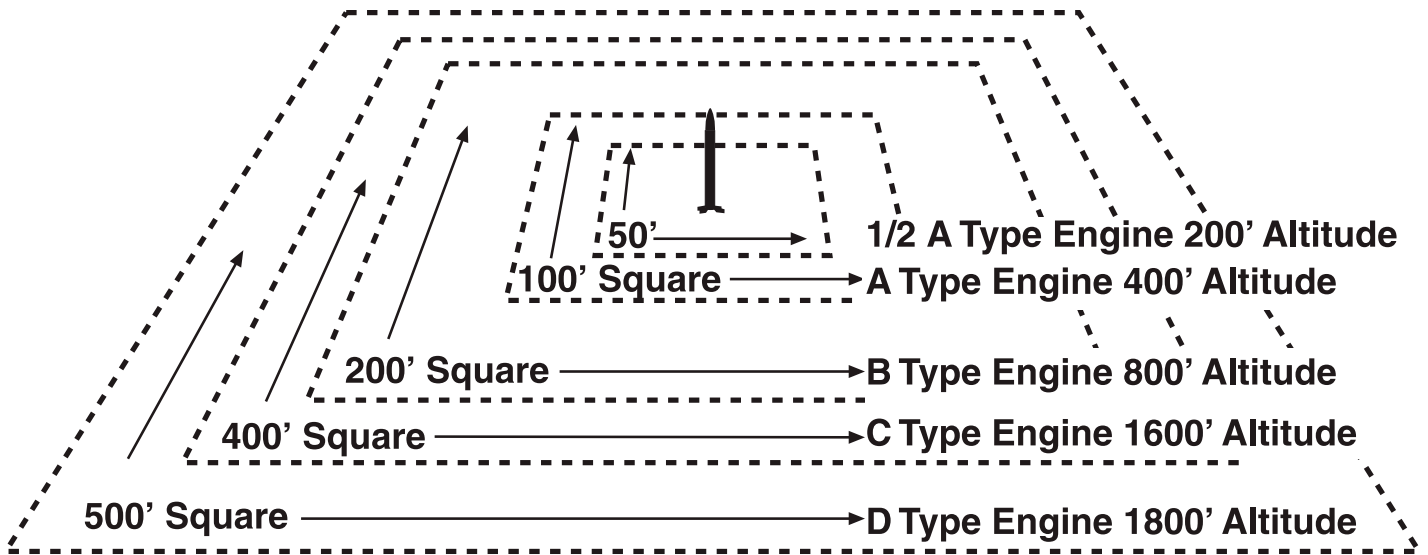
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|------------------------|--------------------------|---|
| ① Tracker 1            | ⑤ Preparation Table      | ⑨ Range-In-Operation Pennant (optional) |
| ② Tracker 2            | ⑥ Recovery Team          | ⑩ Students-Observers                    |
| ③ Range Safety Officer | ⑦ Launch Control Officer | ⑪ Parking Area (optional)               |
| ④ Data Recording Table | ⑧ National or Club Flag  | ⑫ Launch Pad                            |



## Recommended Launch Area

Minimum Launch Site Dimension for Circular area is Diameter in feet, and for Rectangle Area is Shortest Side in Feet

Choose a large field away from power lines, buildings, tall trees and low flying aircraft. The larger the launch area, the better your chance of recovering your rocket. Football fields, parks and playgrounds are great. The diagram shows the smallest recommended launch areas.



## Components of a Typical Model Rocket

