The specifications of rocketry and launch site is as follows:

- Using Class 1 Model Rockets (G and Under Motors)

- Specifically, the motors being used are Aerotech F67-4W and Estes F15-4, requiring a minimum diameter of 1000 feet. Free of obstacles such a trees and hard surfaces.

- Rocketry contains a notable payload (1lb); therefore, the single-stage rocket obtains maximum heights of 600 feet, two-stage rocket heights with a maximum of 1,000 feet, and a lander of maximum heights of around 500 feet. In addition, a specific parachute has been selected (36” Dyno) to ensure quick and safe descent of the rocket with minimal drift from the launch site.

- All [National Rocketry Codes](https://www.nar.org/safety-information/model-rocket-safety-code/) are followed during launches: Persons are 30 feet away from the launch stand, a deflector plate is used on the launch stand, if the motor fails to ignite that no one approaches the launch for at least 60 seconds, and no launches occur when weather conditions are not appropriate (winds greater than 20mph).