

AQUA BAZOOKA

Create, Pump & Shoot to soar peaks never imagined before.

DESCRIPTION :

A water rocket is a type of model rocket using water as its reaction mass. The water is forced out by a pressurized gas, typically compressed air. ... Water rocket hobbyists typically use one or more plastic soft drink bottle as the rocket's pressure vessel. A variety of designs are possible including multi-stage rocket

PROBLEM STATEMENT:

The participants are required to design and build a water rocket (single stage/ multi stage).The winner will be decided on the basis of the rules mentioned below.

GUIDELINES:

Only plastic soft drink bottles are to be used for the rocket body.

The water rocket must use only compressed ambient atmospheric air as its source of energy. Only tap water shall be used in the rocket, and the water shall be provided by the organizers . Water brought by the team shall not be allowed in the rockets.

No chemical or aerated water will be added for launching.

The amount of water to be filled in the rocket body is left to the choice of the team.

Provision for deployment of a small payload with a parachute will fetch bonus points.

No component or a body part of the rocket should get detached from the main frame during the flight of the rocket except for the case of payload. If any other part gets detached then the rocket will be disqualified.

RULES AND REGULATIONS:

Maximum of 4 members per team.

It is eligible for all students.

The angle at which the rocket is launched, the amount of water to be filled in the rocket body can be suggested by the team.

The range of flight is the distance between the point of launch and the point of first impact with the ground after launch.

Only one attempt is allowed.

Pressure pump will be provided.

ORGANIZERS DECISION IS FINAL

THINGS YOU NEED TO BRING in spare

- Plasters
- Glue/ M seal

TESTING CRITERIA :

ROUND 1:

This round is done on basis of height, (if pay load is present extra points depending on the weight of the pay load)

ROUND 2: This round is done on basis of range (if pay load is present extra points depending on the weight of the pay load)

EVALUTION:

Will be done the basis of fleet (height) and range .

REGISTRATION FEE: 300/- per head

Date: 21/02/2020

Time : starts by 10:00 AM

Prize money:

1. First : 5000/-
2. Second : 3000/-

EVENT COORDINATORS:

G. Satya Nikhila. - 9110525754 (nikhilaganivada0251@gmail.com)

Arshad Ahmed. - 7981409801 (arshadahmed1507@gmail.com)