

# BALLOON ROCKETS

**Description:** Build a rocket made from a balloon that will travel a distance or path.

**Number of Participants:** 2

**Competition:**

## Part I: Construction

1. Each team receives one [1] balloon, one [1] straw, one [1] paper clip and approximately twenty five [25] cm of tape.
2. Scissors will also be available.
3. Each team constructs their own rocket using some or all of the materials that are provided.
4. Students are to inflate their balloon without the use of an air pump.
5. If a balloon is damaged during the construction, the team is disqualified.

## Part II: Flight

1. The path that the Rocket will take will be set up by the judges in the launching area.
2. No downhill maneuvering of the orbital path will be permitted.
3. The path will be made from household twine.
4. The Rocket will be launched from a specific, predetermined starting point.
5. The distance from the launching point to where the rocket stops will be measured.
6. Each team will have two launches, and the longest distance will be recorded.

**Scoring:**

Teams that have the longer measured distance traveled will be ranked higher.

**Tie Breaker** - The highest average of the two launches will be ranked higher.