



# 2019 Mars Rover Celebration

## Guide for Judging Rovers

Our scoring ranges from **(10 points) GOOD ENOUGH TO ENTER** ◀ to ▶ **EXCEPTIONAL WORK (50 points)** where “good enough to enter” is above average work in the classroom.

**Scoring for each evaluation area is based on:**

**Clearly stated mission goals / purpose(s)** (2-10pts)

- To what extent did the mission plan reflect appropriate knowledge of Mars?
  - To what extent did the presenter(s) reflect appropriate understanding of our knowledge of Mars in their mission plan?

**Carefully designed source of power and control features** (1-5pts)

- To what extent did the model reflect appropriate knowledge of space science/technology?
- To what extent did the presenter(s) reflect appropriate knowledge of space science/technology?

**Features adapted to function in harsh conditions** (1-5pts)

- To what extent did the Mars Rover model’s design adapt to the physical characteristics of Mars?

**Clever /creative task features to accomplish mission** (1-5pts)

- To what extent did the Mars Rover model’s design fit the mission goals and objectives?

**Clearly written documentation - Rover Guide booklet** (2-10pts)

- To what extent did the booklet reflect appropriate knowledge of Mars?
- To what extent did the booklet reflect appropriate knowledge of space science/technology?
- To what extent was the booklet coherent, organized and well written?
- (FOR TEAMS) To what extent is the contribution of each team member documented?

**Quality workmanship reflected in the rover model** (2-10pts)

- To what extent was the model visually appealing?
- To what extent was the model constructed with care and good workmanship?

**Organized and well-rehearsed presentation** (2-10pts)

- To what extent was the oral presentation organized and coherent?
- To what extent was the oral presentation well rehearsed and prepared?
- (FOR TEAMS) To what extent did each team member contribute to the oral presentation?

**Add up the total number of points, and record the score.**

**After judging all assigned teams, each judge ranks them and records the ranking.**