The 2006-2007 Mars Rover Model Competition

Judge’s Detailed Instructions

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 (1-5pts)
  • To what extent did the presenter(s) reflect appropriate knowledge of Mars?
  • To what extent did the presenter(s) reflect appropriate knowledge of space science/technology?
  • To what extent was the booklet coherent, organized and well written?

Quality workmanship reflected in the rover model (2-10pts)
  • To what extent was the model and display 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 it well rehearsed and prepared?
  • (FOR TEAMS) To what extent is the contribution of each team member documented?
  • (FOR TEAMS) To what extent did each team member contribute?

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

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