



Criteria

The NASA proposal will be graded on the quality, creativity, and scientific accuracy of your invented sport as well as the description of your sport, the factors affecting sports on the Earth and on the moon, the comparison of play of your sport on the Earth and on the moon, and the newspaper article. NASA proposals which include a mathematical analysis of the sport will be considered superior to those that describe the sport qualitatively (without numbers). In your pursuit of finding the “best” sport for the moon, you may investigate sports that would not be suitable for the moon. Descriptions of these rejected sports and the reasons that they were rejected would raise the quality of your proposal.



In February, 1970, Alan Shepard was the first person to hit a golf ball on the moon.

For each subject of the final proposal, your class should decide on what should be included and what point value each part should have. How many points should be allocated for creativity and how many should be allocated for mathematical analysis? How many points should be allocated for the comparison of the play on the Earth and on the moon, and how many points should be allocated for the newspaper article? When writing the newspaper article, should points be provided for the quality of the writing, for sketches or drawings which illustrate the article, and for reader interest? What are the attributes that make a superior newspaper article?

If a group is going to hand in one proposal, how will the individuals in the group get graded? How will the grading ensure that all members of the group complete their responsibilities as well as help the other members of the group? The grading criteria should satisfy every person's need for fairness and reward.

