



## MINIATURE GOLF PROJECT

You are hired by "George Vitense Golfland" to design and build a miniature golf hole. The hole must be challenging, fun and yet the golfer should average between 3 and 4 strokes in his/her attempt to master the hole. A hole in 1 should also be attainable but not easily (about 1 in 12 to 15 attempts).

In constructing the golf hole at least 25 tools or machines must be used and listed. Five different types of fasteners must be used and listed. The golf hole must have four obstacles to overcome and at least one obstacle must incorporate the use of a simple machine. (The more complex your use of a simple machine in advancing the ball to the hole the better your grade will be.) Give this requirement some serious thought. Your hole should also have a theme that is consistent with what you are trying to achieve with the use of your obstacles.

Here's how you'll be graded:

5 points.. 3 sketches of different holes with obstacles listed.

10 points.. Final drawing of your miniature golf hole on a 3 inch equals 1 foot scale. You must show obstacles in actual position with an explanation of type of obstacle and how it will help advance ball or impede the balls advancement to the hole.

20 points.. List of 25 tools or machines used and for what part of hole it was used. Along with five different types of fasteners used.

20 points.. 4 different types of obstacles.

20 points.. Your use of a simple machine as an obstacle in advancing or impeding the balls advancement to the hole.

20 points.. Workmanship and construction.

5 points.. A description of what you feel you and your team could have done to improve the hole.



Name of team members.

- 1.
- 2.
- 3.
- 4.



Your theme\_\_\_\_\_.

List of 25 tools or machines and explain where or how they were used.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.
- 21.
- 22.
- 23.
- 24.
- 25.

List the 5 differene type of fastners used and explain where or how they were used.

- 1.
- 2.
- 3.
- 4.
- 5.

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