

Name: _____ Date: _____ Class: _____

Project Requirements and Grading Rubric

Design (5 points)

- Must use a bank shot for a hole-in-one.
- Must have an angled wall, not just right angles.
- Must have a theme.

Solution (5 points)

- Must provide the solutions to the design for 1-, 2- and 3-bank shots.
- Must measure angles of design and angles of solutions.

Building (5 points)

- Must build an approximate replica of the design using an equivalent scale (1:10).
- Must incorporate a theme.
- Must have a unique obstacle to make the hole challenging (and solve it using geometry), such as a bump, island or sand pit.

Testing (5 points)

- Must have user testing on completed hole.
- Must compare design results to real-life results.
- Must improve design.
- Must make observations about differences between calculations and prototype, and explain why differences exist.

★ Competition Criteria ★

- Creativity
- Use of geometric concepts
- Aesthetics
- Accuracy