



CONCRETE/STEEL GOLF COMPETITION

1. OVERVIEW

Students must design and construct a concrete golf ball and steel golf club so that they may compete in a putt-putt and chipping contest.

2. ELIGIBILITY

2.1 STUDENT PARTICIPATION

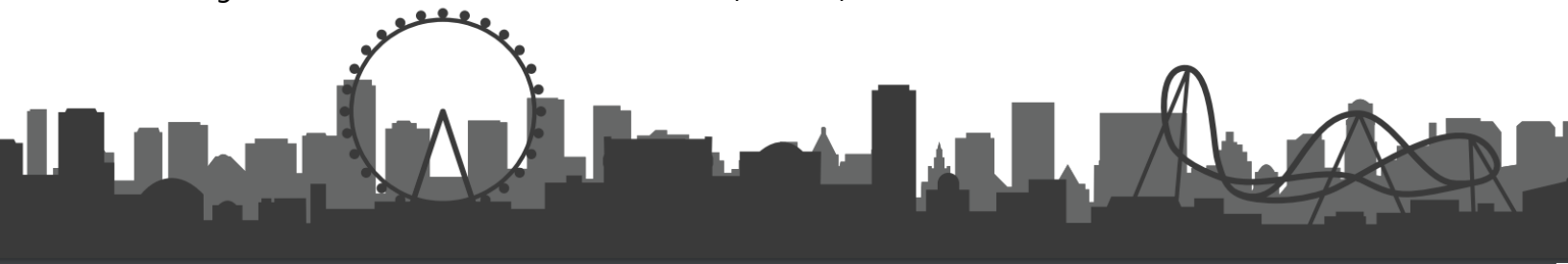
Teams are not limited to the number of student chapter members that may participate in design and construction for the event. However, a minimum of three (3) must compete in the putt-putt and chipping events. In each of the two courses, a different student must each record a score. The same three (3) students can compete in both courses, but do not have to.

2.2 CONCRETE GOLF BALL

- a. Each team must bring three (3) golf balls for competition.
- b. Each team must provide an additional golf ball that is cut to show a cross section representation of the golf balls used in competition.
- c. Golf balls must be made entirely of concrete and must be 1.5-2 inches in diameter. No restriction is put on weight.
- d. Golf balls must display name of school (initials are acceptable) and be numbered 1, 2, or 3. Additional painting or staining is not allowed.

2.3 STEEL GOLF CLUB

- a. Only one club can be used for both courses.
- b. The club must be constructed only of structural steel. For the purposes of this competition, structural steel is defined as an iron alloy that is strongly attracted to a magnet. Solder, brazing, and adhesives are not permitted. Exceptions: paint, decals, and other purely decorative items are permitted.
- c. Club must be designed and used so that both hands remain on the club during competition use.
- d. Overall club dimensions should not exceed 3' 6" x 6" x 6" and must fit in a prismatic box of those dimensions.
- e. A club must retain its shape, dimensions, and rigidity during competition. Hinged, Jointed, articulated, and telescoping clubs are prohibited, as are those parts that move.
- f. A club may consist of multiple parts rigidly joined together before competition begins. Those parts must remain rigidly joined throughout competition and between both courses. Parts must be joined by welding or with steel connectors such as bolts, screws, and rivets.





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3. SUBMITTALS

There are no submittals for this competition.

4. PROCEDURE

4.1 PUTTING COURSE

- a. The team's club will be tested for eligibility according to the competition rules and the competition judge will be provided with the cross section example ball.
- b. Each member of the three (3) person putting course team must complete the putting course by sinking their respective concrete golf ball in the hole in the least amount of strokes possible (see diagram).
- c. The score of each of the three (3) members will be added for a total team score.
- d. Each team member must wait until the previous participant has cleared the course before their first stroke.
- e. While striking the ball with the club, both feet must remain flat on the ground and both hands must remain on the club during the entire movement. If this rule is not satisfied during every swing, a one (1) stroke penalty will be assessed and the player must redo their stroke.
- f. If the ball leaves the putting surface, a two (2) stroke penalty will occur and the ball must be placed back on the course 4" perpendicular to the wall at point of departure.
- g. If the ball lays within 4 inches of the side walls it may be moved to a point 4 inches perpendicularly to that location on the wall.
- h. In the event that a golf ball breaks at any time after your first hit, an automatic twenty (20) stroke penalty will be assessed and play will continue with an unbroken ball.

4.2 CHIPPING COURSE

- a. The chipping course will be played after the putting course is completed.
- b. The chipping course team must use the same club and same balls that the putting team used. No alterations can be made to either the club or balls.
- c. Each member of three (3) person chipping course team must complete the chipping course by trying to get their concrete ball to lie as close as possible to the target. Scoring will be determined by measuring the linear distance from the center of the target to the final position of the ball (see diagram).
- d. Each member will receive one (1) chance to hit the ball as close to the target and the score of each of the three (3) members will be added for a total team score.
- e. Players can hit their golf balls from anywhere on the 6' x 1' designated chipping surface. (Chipping area will be very short grass or carpet, but not sand. All other adjacent areas will be grass)





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- f. Distance to the target will be measured in feet and rounded to the nearest inch.
- g. While striking the ball with the club, both feet must remain in contact with the ground and both hands must remain on the club during the entire movement. If this rule is not satisfied during every swing the judges have the right to ask the student to redo their stroke with a twenty (20) foot penalty assessed.
- h. If the club leaves both hands during the swing, an automatic two hundred (200) foot penalty will be recorded and there will be no chance to re-hit. I.e. rule 4.2g will be overridden.
- i. In the event that your ball is lost, an automatic fifty (50) foot penalty will be given as that student's individual score.
- j. In the event that a ball is broken during chipping course play an automatic fifty (50) foot penalty will be given for that student's individual score and play will resume with an unbroken ball.
- k. In the event that all your teams' golf balls break before completion of this portion of the competition, your team may use a standard regulation golf ball; but a fifty (50) foot penalty in addition to the linear distance to the target score.

5. JUDGING

Judging will be based on scores from putting and chipping portions of the competition, and penalties. Judges will also determine what is considered a "broken" golf ball.

6. SCORING

6.1 POINT SYSTEM

The overall school's score will be the sum of the cumulative (sum of three scores) putting score and the cumulative (sum of three scores) chipping score. Teams will be ranked from lowest to highest with the lowest score being the winner.

Example:

Putting Course Score

Player 1: 5 putts + 1 penalty = 6

Player 2: 20 putts (broken ball) + 3 putts = 23

Player 3: 3 putts = 3

Chipping Course Score

Player 1: 14' 3" = 14.25

Player 2: club left both hands = 200

Player 3: 1' 2" = 1.167

Overall Score: $(6 + 23 + 3) + (14.25 + 200 + 1.167) = 247.417$





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6.2 DISQUALIFICATION

Teams, at any time, will be disqualified and awarded zero points if found to have violated the spirit of the competition or any of the stated rules.

7. QUESTIONS

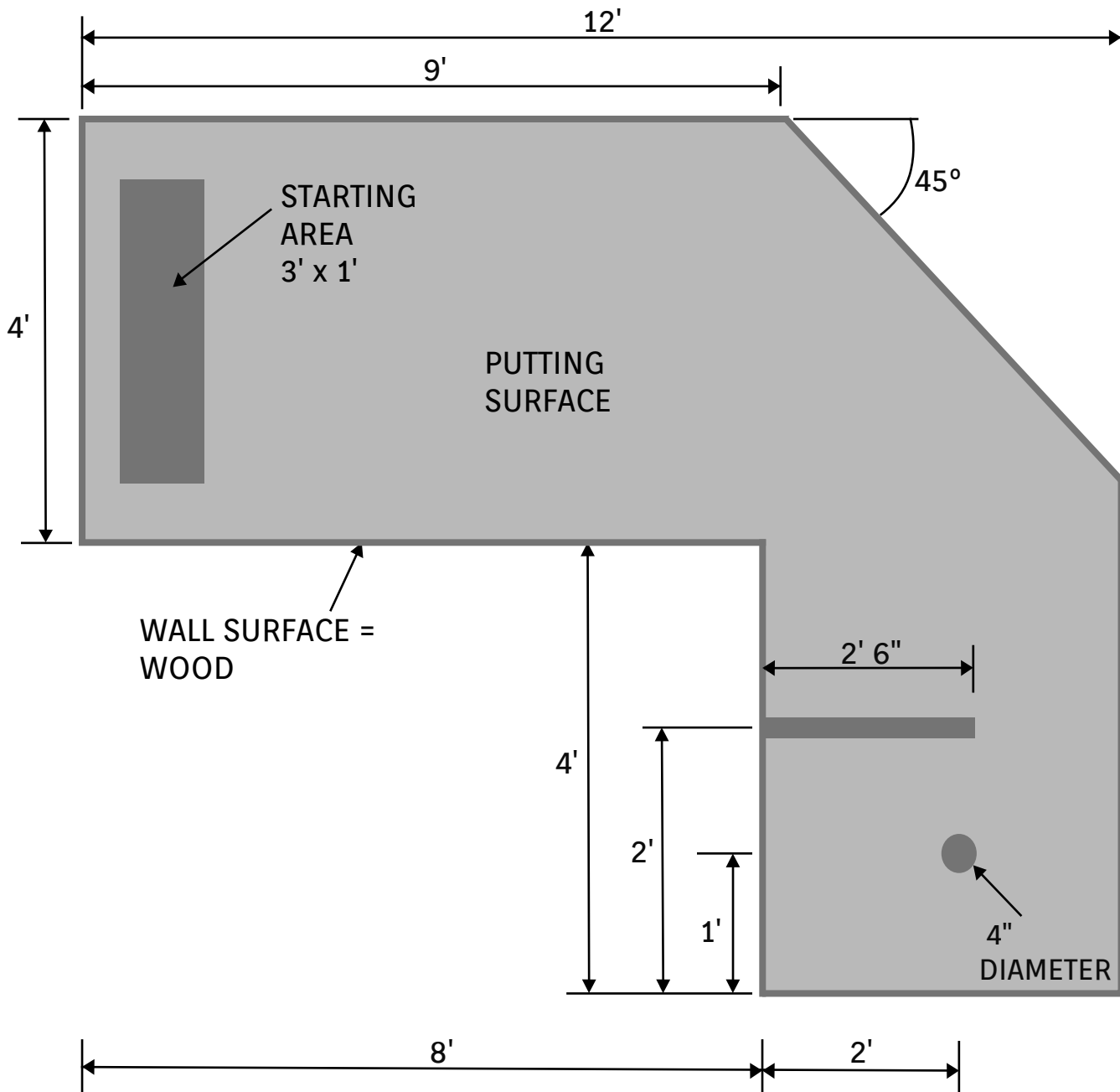
Direct any questions to [conference organizers](#). Answers will be posted on the Q&A page.





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PUTTING COURSE DIAGRAM





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CHIPPING COURSE DIAGRAM

