

2012 ASCE PACIFIC SOUTH WEST CONFERENCE: Concrete Bowling

OBJECTIVES:

To design and construct a bowling ball out of concrete that is practical, durable, and aesthetically creative. In addition, each team is to perform a skit which incorporates the theme of the created bowling ball.

PARTICIPANTS:

- Each school may enter one team only.
- Each team must have a minimum of two members and a maximum of five members.
- Each team member must be a registered participant of the PSWC 2012.
- Each team must have at least one female and one male.

EVENT DESCRIPTION:

The Concrete Bowling event will consist of three parts: bowling ball design, a skit, and a bowling competition. A skit must be created that incorporates the theme of the bowling ball created by each school. After the team performs the skit they will then bowl a combined five frames between all members of the team. The bowling ball must be able to perform in all five frames of the competition. If the ball cannot perform then the team will be disqualified from the bowling competition.

GENERAL RULES:

Bowling Ball Design: (40 pts)

1. **Dimensions and Construction:** (*failure to comply results in automatic disqualification*)
 - a. The ball's circumference must be between 26.5" and 30.0" .
 - b. The ball must be spherical (at judge's discretion).
 - c. The weight of the ball shall not exceed 16 pounds.
 - d. No bowling ball from previous years may be used.
2. **Mix Design:** (20 pts)
 - a. The mix design is at the discretion of each school.
 - b. A concrete mix table must be submitted by Friday, March 2nd, 2012 by email to pswc2012@gmail.com.
 - c. Each team will be judged on creativity.
 - d. No resins or epoxies may be used.
 - e. The ball must be solid concrete.
 - i. Reinforcement is at the discretion of each school; however, no reinforcement may be exposed prior to competition. Exposure during competition as a result of breakage is allowable.

3. **Durability:** (10 pts)

- a. Bowling balls will be weighed before and after the bowling competition. For every 1% of the total weight lost from each ball, half a point will be deducted. If a ball loses more than 20% of its total weight, the team will be disqualified from the event.
- b. The ball must be able to perform in all frames of game play. A damaged ball may be used after the first roll, but it must roll to the pins (no throwing).

4. **Aesthetics:** (10pts)

- a. Each team should decide upon a theme which should be portrayed through the aesthetics of the bowling ball.
- b. This will be judged at the beginning of the competition and the specifics left to the discretion of each individual judge.
- c. Any theme or aesthetics found to be offensive will result in automatic disqualification.

Skit: (30 pts)

1. **General Skit Requirements:**

- a. The skit will take place before the team begins their first frame of bowling.
- b. The skit should be a minimum of 30 seconds with a maximum of two minutes. There will be a one point deduction for every second the team goes over/under the allotted time. At two and a half minutes the skit will be stopped by judges.
- c. The skit is at the discretion of each school.
- d. The skit should not contain any offensive behavior or language.
- e. Each team member that participates in the skit must participate in the bowling competition.
- f. No sound system will be provided.

2. **The skit will be judged based on the three categories below:** *(All aspects of scoring will be at the discretion of the judges)*

- a. **Theme Incorporation** (10 pts)
 - i. The bowling ball should be physically present in the skit.
 - ii. The skit should be relevant to the theme of the bowling ball.
- b. **Creativity and Originality** (10 pts)
- c. **Entertainment Value** (10 pts)

Bowling Competition: (30 pts)

1. [Standard bowling rules](#) will apply.
2. Each team will have a combined 5 frames, for a maximum of eleven bowls (in case of a spare or strike in the last frame).
 - a. When a person starts a frame, they must finish that frame.
 - b. Each team member must bowl at least one frame.
3. Standard bowling pins will be used, and the alley will be grass. The lane will be 40' long from the foul line to the head pin. The approach will be 15' long and end at the foul line.
4. Each team member that participates in the bowling competition must have participated in the skit.