



CONCRETE BOWLING

PACIFIC SOUTHWEST CONFERENCE 2015

OBJECTIVE

- To design and create a bowling ball out of concrete that is creative, as well as durable and efficient for use in a bowling competition.

PARTICIPANT RULES

- Each team is required to have a minimum of two members and a maximum of five members.
- Each team member must be a registered participant of PSWC 2015.
- Each team must have at least one male and one female.

COMPETITION

A team will bowl five frames combined. Each member shall bowl at least one frame.

- A damaged bowling ball may be played so long as it can perform in the competition (i.e. roll the distance of the alley). If a ball is damaged to the point where it can no longer perform, teams will receive the game score they had acquired up to the moment of the demise of the ball.
- If a contestant starts a frame they must finish it.

DESIGN REQUIREMENTS

- The bowling ball must be made of concrete. No resins or epoxies may be used.
- The mix design is left up to each individual school. A mix table must be filled out and submitted on or before March 1st, 2015 to PSWC.2015@gmail.com
- Reinforcement of any type is at the discretion of each school; however reinforcement material shall not exceed 1/4" in thickness.





Additionally, no reinforcement material should be exposed at the time of pre-competition measurements.

- ◆ The bowling ball must be spherical (left to judges' discretion). The diameter of the bowling ball must be no less than eight inches (8") and no greater than ten inches (10").
- ◆ The bowling ball must weigh no more than 16 pounds.
- ◆ The ball must have been constructed after PSWC 2014.

SCORING

Each team will be judged on the following categories. A total of 100 points are available.

- ◆ Design Requirements (20 points)
 - Teams that meet all of the above design requirements and submit their mix design on time shall receive full points in this category.
- ◆ Durability (20 points)
 - A team's bowling ball shall be weighed before and after competition.
 - If the ball loses less than 5% of its original weight, teams shall receive full points in this category
- ◆ Aesthetics (20 points)
 - Aesthetics will be judged prior to the competition, with specifics left to the judges' discretion.
 - Each team should select a theme which should be shown through the aesthetics of the bowling ball.
- ◆ Bowling Competition (30 points)
 - Standard bowling rules apply.
 - Each team will have bowled 5 frames at the end of the competition. An extra bowl is allowed in the case of a spare on the last frame; two in the case of a strike.
 - The game will be played on grass. Standard bowling pins will be used.
 - The lanes will be 40' long

