



2025 ASCE Student Symposium

Thursday, April 10, 2025 – Saturday, April 12, 2025

Concrete Bat Competition

Overview

The concrete bat competition consists of two parts;

- Design of a concrete baseball bat.
- A modified home run derby

Design Requirements

- Bat length must be between 27” and 35”.
- No Portion of the bat can be larger than 5.5” in width. The barrel cannot be less than 1.5” in width.
- Reinforcement fibers and mesh are allowed and encouraged for safety.
- Each bat MUST have at least one reinforcement bar (½” max.) spanning the length of the bat with a minimum of ½” cover on all sides.
- Molds will NOT be provided to schools.
- No paint, tape or external coatings of any kind are permitted; the bat must look like it is made from concrete. Magic marker is allowed for identification. Teams can use colored concrete.
- Each school can only enter one bat.

Modified Home Run Derby Rules


1. Each team will supply at least 2 batters and a single qualifying concrete bat.
2. Each batter will hit 10 balls, or till the bat loses structural integrity.
3. Teams will be scored by the sum of the 2 greatest distances a ball travels (in ‘fair play’) from each batter, with ties being broken by a single ball hit by each team (farthest distance wins).

Scoring:

A panel of judges will rank eligible bats (10 points 1st place, 9 points to 2nd place, etc....)

The results of the home run derby will be ranked (10 points 1st place, 9 points 2nd place, etc....)

The sum of the results will determine the final winners. Any ties will be broken by a single ball hit (farthest distance wins).





2025 Concrete Bat Scoring Summary Sheet

Contestant(s): _____

School: _____

Concrete Bat Scoring Sheet	Score
Aesthetics Ranking	
Home Run Derby Ranking	
Overall Score (lowest score wins)	

