



## ASCE 2024 Virginia Student Symposium Concrete Frisbee Competition

### Overview

- The Concrete Frisbee Competition allows teams of 2-4 students to compete using their knowledge of structural design and aerodynamics. The students will design their frisbees for distance, accuracy, durability, and aesthetics.

### Dimensions

- The concrete frisbee must be circular and solid with no holes. The concrete frisbee must be no smaller than 9"dia x 1" thick, and no larger than 12"dia x 2" thick.

### Material Specifications

- The frisbee concrete mix must primarily contain Portland Cement. Reinforcement materials must be non-ferrous. There are no restrictions on the amount or choice of aggregate.
- Teams shall submit their mix design for review by the judges.
- There are restrictions on mold techniques.
- Reinforcements creating a shell or protective cover around the frisbee are not allowed such as coatings of plastic, rubber, sealant, etc.
- Paint designs are encouraged.

### Performance Scoring

- Each team will have a total of two throws per team member. Total distance of all throws will be divided by the number of throws to determine the average distance for the team.
- Mix design will be judged for content and durability.
- Frisbee aesthetics will be judged for originality and execution.
- The team presentation and delivery will be judged for originality and execution (costumes, music, etc.).

### Safety

- Each team will follow all safety directions of the Head Judge.
- Students shall not compete until instructed.
- Students shall stay within marked spaces and shall not enter the designated competition throwing area.