

Model Water Tower Competition Volunteer Descriptions



Information Table / Check In (2) - Check in students as they arrive for the event. Take the students parent waiver and check them off the master list. Hand the students their competition packet which includes their score sheet and instructions for the event. Hand them their competition lanyard and badge with their name on it.

Cost Efficiency Table (2) - Volunteers will review the students Material List form and add up their total receipts from the purchases. If the student uses recycled material then there is zero cost added to their sheet. The cost should not include tax.

Design Ingenuity Table (3) - Volunteers will judge students on three categories. Craftsmanship (Is the model study?), Imagination (Is the design and material unique?) and Artistic merit (Does the model have creative ideas,colors and themes?).

Structural / Hydraulic Efficiency Tables (6-9) - Volunteers will judge students on two main principles. First the judges will weigh the tower when it is empty and then divide it by the height of the tower times the amount of water the tower holds. The difference between the two is the Structural Efficiency of the tower. Second the judges will time how it takes for the tower to fill and the time it takes for it to empty. That time is the Hydraulic Efficiency for the tower.

Interview Presentation Table (3) - Volunteers will ask the students 5 questions that the students will have 10 minutes to answer.

Scorers' Table (2) - Volunteers will add up the students score sheet once the students have gone through all 5 stages of the event. The will turn the sheets to the event coordinator once they have collected all the sheets so the coordinator can announce the winners.

