Orenco Tsunamí

Team Assignments

Timekeepers - Penn, Carmen
Practice Table Schedulers - Vikram, Izabel
Team Marshals - Prithu, Vikram
Equipment/Script Managers - Keala, Penn
Team Secretaries - Carmen, Izabel

Responsibilities

Timekeepers are responsible for keeping an eye on the time and making sure the team is where they are supposed to be. As a general rule of thumb you should be 5 minutes early for all your events.

Practice Table Schedulers are responsible for signing up for at least two sessions on the practice board. This task should be one of the first things we do after arriving at the pit.

Team Marshals are responsible for making sure the pit area stays organized. This includes making sure that computers are plugged in, batteries changed, equipment staged and protected.

Equipment / Script Managers are responsible for making sure they team brings everything they need for each event. A list of required equipment by event is below.

Team Secretaries are responsible for making sure the team introduction forms for robot judging, core value judging, and project judging are brought to each event. Secretaries are also responsible for recording team scores at the end of each robot run after they are posted.

Equipment Checklists

Project Judging

- [ ] Round Red Carpet
- [ ] SHED Logo
- [ ] Project Model
- [ ] Presentation Slides
- [ ] Easel
- [ ] Slide Remote Clicker Prop
- [ ] Shirts and Ties
- [ ] Project Judging Intro Sheet (handled by secretary)

Robot Judging

- [ ] Robot
- [ ] All Robot Attachments (x3)
- [ ] Copy of Code
- [ ] Robot Judging Intro Sheet (handled by secretary)

Core Values Judging

- [ ] Great attitudes!
- [ ] Core Values Judging Intro Sheet (handled by secretary)

Robot Runs

- [ ] Robot
- [ ] Robot Attachments (x3)
- [ ] Easy Going Excitement

Team Schedule

Event	Time
Event Check In	8:00 AM
Competition Round 1	10:18 AM
Project Judging	11:39 AM
Competition Round 2	12:32 PM
Robot Design Judging	12:54 PM
Core Values Judging	1:33 PM
Competition Round 3	2:02 PM
Pit Area Clean Up	2:20 PM
Pre-Award and Awards	3:00 PM
Adjournment	5:00 PM

Practice Table Time 1 _____

Practice Table Time 2 _____

Frequently Asked Questions (FAQ)

Who did we present our project to? Who were our experts?
Elly O'Conner - Clean Water Services
Brianna Carl - Seattle City Light Hydroelectric Dam Tour Guide
Don Domes - FLL and Robotics Volunteer Expert
Sandy - Hillsboro School District
Mike Appel - Environmental Geologist
Parents, Teachers, Friends

What research did you do?
Besides speaking with local area experts about the ways in which we use water locally, we did a bunch of directed academic research (mostly on the web) regarding hydroelectric systems and power usage around the world. Once we had a project picked out we also ran some experiments to check the feasibility of our idea.

What does SHED stand for?
SHED is an acronym for Simple Hydro-Electric Dynamo. It's a play on words for our presentation. We took our inspiration from TED Talks. The name also represents what our project does!

What's a Dynamo?
The dictionary defines it as, "a machine for converting mechanical energy into electrical energy; a generator." It's what's at the heart of our project.

How much would a SHED setup cost?
A simple version would be about $220 US. But the design can be scaled up to meet larger demand.

Are there solutions similar to yours already in existence?
We learned form one of our experts (Mr. Domes) that an FLL team did something similar a few years ago but our solution is implemented a little differently and focuses on helping less advantaged people.

Can you tell me cool stuff about your team?
We're all 5th and 6th graders from Orenco Elementary school. Obviously we're really into technology and robots. And, we wrote a little song using the Core Values. Wanna hear it?