



Oregon Robotics Tournament & Outreach Program IS LOOKING FOR ADULTS TO BE JUDGES AND REFEREES and Day-of-the-Event VOLUNTEERS FOR EXCITING YOUTH ROBOTICS TOURNAMENTS

What the kids are doing:

The 2011 Challenge: Food Factor: Keeping Food Safe

Can FIRST® LEGO® League teams improve the quality of food by finding ways to prevent food contamination? In the 2011 Food Factor Challenge, 427 teams from Oregon and SW Washington will explore the topic of food safety and examine the possible points of contamination our food encounters – from exposure to insects and creatures, to unsterile processing and transportation, to unsanitary preparation and storage – then find ways to prevent or combat these contaminants. In the Food Factor Challenge, teams will build, test, and program an autonomous robot using LEGO® MINDSTORMS® NXT to solve a set of Food Safety missions as well as research, develop, and share their innovative food safety solutions. Throughout their experience, teams will operate under FLL’s signature set of Core Values.



How you can help the kids. You are the “U” in Volunteer.

Judge team – evaluation panels for robot design, research project & core values

Referee team – scoring the table competition runs

"Day-of-the-Event" volunteers - registration, setup/take-down, pit and practice table admin

**Intel Oregon FIRST® LEGO® League Qualifying Events
December 3, 4, 10 & 11, 2011**

December 3	December 4	December 10	December 11
Evergreen Space Museum, McMinnville	Evergreen Space Museum, McMinnville	Memorial MS, Albany	Memorial MS, Albany
Salmon Creek Elem, Vancouver	Salmon Creek Elem, Vancouver	Hillsboro HS, Hillsboro	Hillsboro HS, Hillsboro
Stephens MS, Salem	Stephens MS, Salem	Mentor Graphics Commons, Wilsonville	Mentor Graphics Commons, Wilsonville
Poynter MS Hillsboro	Mountain View HS, Bend	Catlin Gabel School, Portland	Catlin Gabel School, Portland
The Dalles MS, The Dalles		Wy'East MS, Hood River	Wy'East MS, Hood River
Intel Jones Farm*, Hillsboro		Intel Jones Farm*, Hillsboro	Intel Jones Farm*, Hillsboro
EOU, La Grande		Kids Unlimited, Medford	

Intel Oregon FIRST® LEGO® League Championship
Liberty High School – Hillsboro – January 14, 2012
Liberty High School – Hillsboro – January 15, 2012

Be part of the action! Volunteer! <http://volunteer.ortop.org>

The culmination of all that hard work for many teams is the participation in an FLL tournament. FLL tournaments are much like sporting events! Referees monitor and score the robot game. Judges review team presentations. Teams earn awards and trophies. It's a pumped-up environment with music and excitement, and there is a ton of cheering. In 2011, 200,000 kids in 50+ countries will participate on 20,000+ teams.

VOLUNTEERING TO BE A FLL JUDGE OR REFEREE! - <http://volunteer.ortop.org>

PANEL JUDGES - assess each team against a specific set of criteria during a 10 minute presentation and interview.

- **Robot Design judge** – assess the team’s robot technical design in terms of innovation, robustness and programming. Should have some experience in mechanical or software design, and the engineering development process.
- **Project judge** – assess the team’s research project in terms of research quality, innovation and creative presentation. Should have experience with research, marketing or sales, and have some familiarity with this year’s topic – biomedicine.
- **Core Values judge** – assess how well the team works together and implements FLL’s Core Values. Should have some experience in working in teams.

Training

Panel judges are expected to attend a 2 to 3-hour training session that covers FLL values, the Food Factor Challenge, judging process and rubrics. These are held during late November and early December. Consult schedule at website. Training schedule options include web-based training and in-person training.

To learn more, visit <http://volunteer.ortop.org>

REFEREE POSITIONS

Referee Team Positions

- **Referee** - score the results of each robot run on the competition table against the challenge criteria. Must fully understand the challenge rules and expected outcomes of each mission.
- **Table Resetter** - restores the Lego competition field back to original state after each competition in preparation for the next team. Should be comfortable working with LEGO and need to learn the challenge competition table setup. Some tournaments rotate referee team members between the Referee and Resetter positions during the day.

Training

Referees and Table Resetters are expected to attend a 3-hour training session that covers FLL values, the Food Factor Challenge, table competition process and rubrics. These are held during November.

Two group training sessions will be held in the Portland Metro area – Hillsboro High (11/30) and Mentor Graphics (11/29) . There will also be three teleconference training sessions (11.15, 11/17,11/28). Referee teams are encouraged to meet together around a competition table and call in as a group to teleconference training, if possible.

Please note: Judges/Referees may not be associated with any active team. Do not attend training or register to judge or ref at a tournament if you are working with a current team You should not judge or ref at a tournament where a family member or someone you know well is on a participating team. We must be fair to all teams. We do welcome individuals associated with teams to be Day-of-the-Event volunteer in other roles.