

INFINITE RECHARGESM





District Event Briefing
February 11, 2020

9-20 Team Briefing



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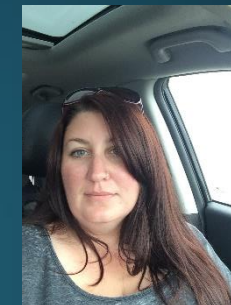
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Logistics of this Webinar

- This presentation is going to move very quickly!
- Your microphone is muted by default.
- Feel free to ask questions by typing or hit the raise hands button. If you raise your hand, we may un-mute you for a moment.
- We will attempt to summarize and answer similar questions in mass.
- These slides and a recording of this presentation are on

<http://www.firstwa.org/Programs/FIRST-Robotics-Competition/FRC-Workshops-Webinars>

Agenda

- Before your event
 - Team Communication
 - Event specific briefings are online soon
 - District team RSVP
- Pit area rules and restrictions
- At your district event
 - Alliances and alternates
- Awards
 - Deans List Judging
 - Woodie Flowers Nominees
- District Championships and Houston
 - Registration changes
- Travel to Houston
- Other activities

Team Communication

- The District communicates directly to Team Main and Alternate Contact
 - **PLEASE** be sure to forward to the rest of your team and volunteers any appropriate information regarding event specifics
 - **Parking is a big issue at many Friday, Saturday events. We expect you to communicate parking information to the appropriate member of your team.**
 - Please also pass along messages about volunteer opportunities for students and for parents.

Student Volunteer Requirements

- Your teams are required to help staff the safety glass tables. Your team will be visited by the Safety Glass Table Manager requesting students to help.
- Other event volunteer opportunities include Practice Field staff, field reset, queueing, ambassadors.
- Team members, students, and parents interested in any of these activities should go to your dashboard to sign up.

More details pre-event

- Event specific briefings are online soon
 - Event specific documents available 2 weeks prior
 - We will email the main and alternate contact this information
 - Site specific information will include food options, parking and loading instructions, bus and trailer parking, and other things specific to each site.
 - You will find it on each event page at <https://firstwa.org/events/>
 - **BE SURE** to forward information on to team members and parents

District Event RSVP

- For each of your district events, we need you to RSVP on <https://firstwa.org/rsvp/>
- On the form, please fill in
 - The onsite main contact for each team (need to register 2 weeks in advance)
 - We need a contact mobile phone number for your team
 - Tell us if you need a table, or you won't get one! (if you don't register 2 weeks in advance you are not guaranteed a table)

Schedule Overview: Whole Event

- Day 1: Team Arrival and Inspections
 - Driver & Coaches Meeting will be at 7:30 pm **Day 1**
(Lead/Alternate coach should attend this meeting)
- Day 2: Qualification Matches
- Day 3 AM: Qualification Matches
- Day 3 PM: Final Rounds / Team Departures

Load-in & Inspection Callouts

- **No Bag & Tag – but watch out for [R16]**
- **During Load-in, take everything to your pit!**
- **Other important Inspection changes this year:**
 - [I1] It's your team's robot – New rules around who can build MAJOR MECHANISMS
 - [I3] Multiple configurations can only weigh up to 150lbs – Any given configuration still must be ≤ 125 lbs
- **Be careful with:**
 - [R9] Specifically around light sources. Not required but highly suggested that any bright light source be:
 - Shrouded
 - Directed only at the target
 - Able to be turned off when not in use

Simple rules on arrival

- Do NOT show up early to high schools!
 - Many of our schools are in session. PLEASE respect the time requirements
 - This means DO NOT SHOW UP EARLY.
- For example:
 - If it says do not arrive prior to 8:15, that means they don't want your vehicle in the parking lot prior to 8:15 because you will create traffic issues for the students that are arriving for school
- If you arrive earlier than expected, feel free to visit a nearby coffee shop to wait until it is time to arrive at the venue

Pit Etiquette

- Your team has a 10' x 10' pit space
 - Do not setup in the isle / walkway / or expand beyond 10' This includes storage space. Everything you bring (costumes, tools etc...) needs to be stored in your pits
 - Please do not set up an area to feed your students inside unless there is a designated eating area.
- In general, your pit space is on a hardwood basketball court
 - It is your responsibility to not damage the floor
 - Your pit decorations must not have sharp edges on the bottom
 - Your team should bring a 2' x 2' x ½" plywood for any pounding that needs pounding
- ALL WHEELS MUST BE 3 inches in diameter minimum
 - We recommend 5" for the cable crossing. Wheels < 3" will not be allowed on the hardwood floors.

Power rules

- Pit power is limited. We are putting up to 6 teams on a single 20 amp circuit
 - Power generator is shut down overnight
 - No compressors or other large motors
 - Limit 400 watts per team, 2400 watts per 6 team Power Alliance
 - Lighting should go with low wattage like LED
 - Do not plan to charge your batteries at the school overnight
- High school gyms have very little power
 - You may NOT use any outlets in the gym
 - The game equipment uses all available power
 - We will unplug / remove / confiscate any equipment from gym outlets or any outlets in the halls or area surrounding the gym until after awards ceremony. You have be warned!

What you should bring

- Team Rosters with all your STIMS information to **EACH** of your events (including handwritten consent forms for anyone not listed on your TIMS roster) – The expectation is that your students/mentors have registered online, please only bring printed rosters for those who absolutely can't get registered online
- All cords should be labeled with your team number on BOTH ends so we can figure out what plugs in where.
- You **MUST BRING YOUR OWN SAFETY GLASSES**
 - For your entire team, parents, and visitors
 - We do not have a large quantity of glasses and limit them to spectators/donors not affiliated with a team
 - There will be no safety glasses available day 1
- You must bring
 - 1 each 15' extension cord 16ga or 14 ga
 - 1 each 40' extension cord 16ga or 14 ga
 - 1 6 outlet power strip
 - 1 each 2' x 2' x $\frac{3}{4}$ " Plywood pounding board

Quiet room at events

FIRST has asked that we work to offer quiet rooms at all of our events. We need to have teams host these to be able to support FIRST's request

Events that have a team hosting a Quiet room:

Week 1

- Clackamas Academy
- Glacier Peak - 5588

Week 2

- West Valley - 4911
- Auburn Mountainview

Week 3

- Wilsonville - 7034

Week 4

- SunDome - 3049
- Bellingham - 5588

Week 5

- Oregon State Fair - 955
- Auburn

Week 6

- District Championships - 5588

More events are hosting workshops

Team Number	Workshop Name	Clackamas	Glacier Peak	West Valley	Auburn Mountainview	Wilsonville	SunDome	Bellingham	Oregon State Fair	Auburn	District Championships
FIRST WA 1778	Diversity, Equity & Inclusion Business Roundtable	X	X	X				X		X	
5937	Marginalized Gender Meetings				X					X	
3786	Getting Started with Outreach				X			X			
2980	Creating a better world through FIRST				X			X			X
7034	Fundraising by hosting STEM Camps					X					
4980	Faces of Engineering Photo Booth			X			X				X
955	Outreach & Entrepreneurship					X			X		
955	Spectrum Prototype					X					
3663	Scouting Pit at events		X	X				X			X

Note: these are requests, we hope to accommodate all requests at events but are still working on space. Check your site specific ppt for the workshop list. Time and room may not be shared until you arrive at the event.

Commitment to Equity and Access



Building Your **FIRST** Community:

Diversity, Equity, and
Inclusion Tips for Adults.

Register at:
<http://firstwa.org/DEI-Workshops>

Workshop Dates:

Accesso Showare Center, Kent: January 26, 10 AM - 3 PM
Clackamas Academy, Oregon City: February 28, 10 AM - 3:30 PM
Glacier Peak HS, Snohomish: February 29, 10 AM - 3:30 PM
West Valley HS, Spokane: March 6, 10 AM - 3:30 PM
Bellingham HS, Bellingham: March 21, 10 AM - 3:30 PM
Auburn HS, Auburn: March 28, 10 AM - 3:30 PM

We highly encourage all coaches, mentors,
and volunteers from all programs, FLL Jr,
FLL, FTC, and FRC, to join us.

Here's what coaches/mentors and
volunteers are saying:

*"Loved the history and hands-on
conversations and group dynamics"*

*"This workshop is giving me ideas
on strategic recruiting and working
intentionally to recruitment of
minority/non traditional students"*

Exciting new technology during
match play this year!

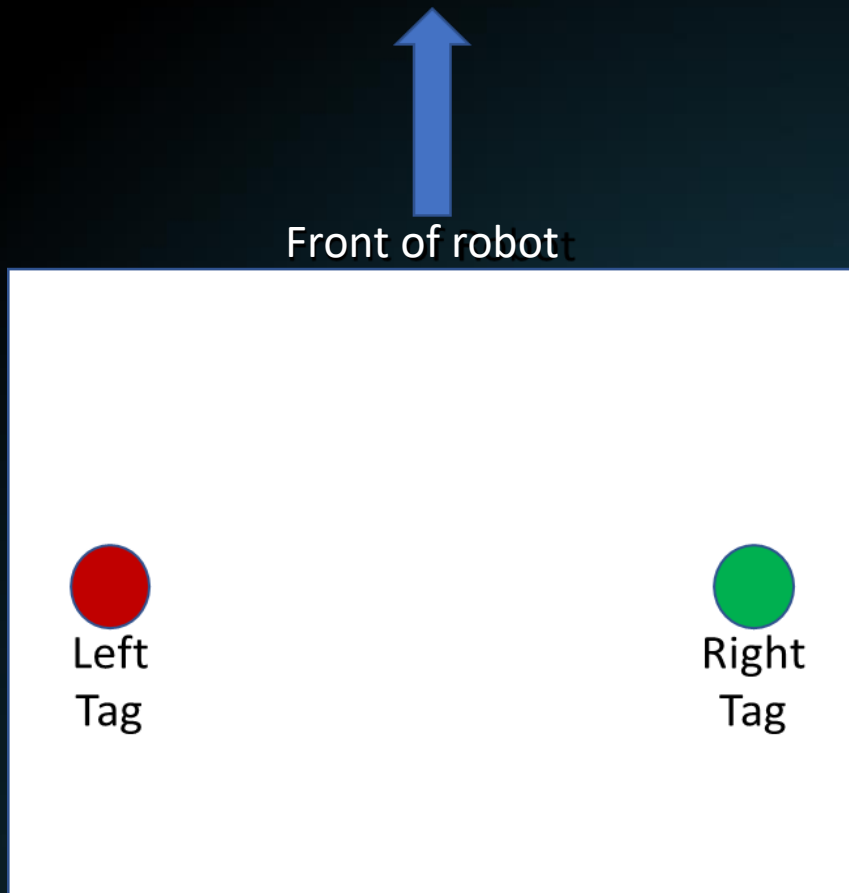
Zebra Technologies
&
FIRSTWA

General Information

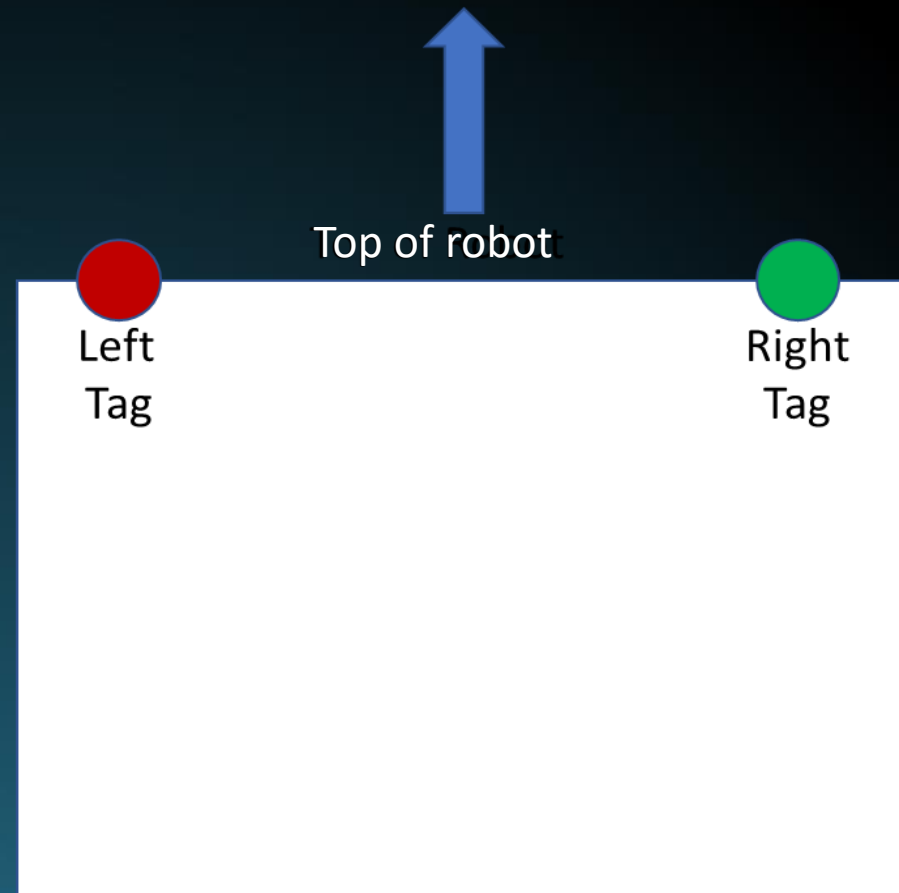
- Data collected 12 times per second
- Data collected for all robots every match of every event
- We can determine robot velocity, heading, acceleration, kinetic energy, and much more
- Trending of robots through the season

Attaching Tags

- Installed via double-sided tape and cable ties (provided by FIRSTWA)
- Tags must be placed high on the robot and not surrounded by any metal.
 - Think about where you need to install your radio, then look for that type of spot for these tags.
- Keep the tags lined up from left to right; draw an imaginary line connecting your two tags, and that line should be perpendicular to the direction of your robot's forward motion.



Top View



Back View

Questions

- FIRSTWA Discord

<https://discord.gg/7RJ5Vha>

- Chief Delphi

**Zebra MotionWorks™ for FRC 2020 Location
Announcement**

We want your Alumni!

- Whether they have been involved in a **FIRST** Washington team or one from another state – we invite you to join us and be recognized at the end of lunch on Saturday
- Alumni that register their contact info at Pit Admin will receive a gift after they register
- Please spread the word among your Alumni students!!

Alliances and Awards

- Our events will all culminate in elimination rounds where the top 8 teams select 2 alliance partners. 24 teams will compete in the elimination rounds.
- If you are not chosen for an alliance, please stick around in the “alliance selection area” for a few moments. A referee will be coming around with a form asking if you can/will stay around to be a back up.
 - Please be prepared to answer this question in the event you are not picked for an alliance
 - IF you sign the form stating you will stay you need to commit to staying. If you leave, you may be depriving one of the competing teams of a 3rd alliance partner in the event they need a back up. If you are gone, they will **NOT** go to the next team in line.
 - Be sure you understand your ranking at the end of alliance selection and are prepared to compete!

Dean's List Awards

- Dean's list judging is done via interviews.
- Dean's list interviews occur on Day 2 of the event.
- Your students will be interviewed at specific events. The team's main contact will be notified which event your students will be interviewed at.
- Check with Pit Admin for details on the interview schedule
- Each district event advances 2 Dean's List nominees to the District Championship as Semi-Finalists.
- Dean's List nominees will be recognized at the event where they are interviewed
- Advancing students are not required to attend District Championships.
- 4 students for 2020 will become Deans List Finalists and will be invited to World Championships in Houston

Alliances and Awards

- Woodie Flowers Nominees will be acknowledged at the event their team submitted them for
- We will be bringing all nominees down to the field for a picture at events.
- The Woodie Flowers Finalist will be announced at the PNW District Championship.
- Nominee's are not required to attend the District Championship **BUT** we do have a breakfast at that event to recognize and celebrate all of our nominees!

Team Rankings

- Team Rankings are posted on the FIRST website. Our district has no control of this website

<https://frc-events.firstinspires.org/2020/district/PNW#rankings>

- Another source of information is the Blue Alliance website

www.thebluealliance.com

Advancing to District Championship

- 64 of our 147 teams will advance to the District Championship
 - 9 teams advance based on the District Event Chairman's award
 - 55 teams advance based on their total district point ranking
- We have prepaid your District Championship registration fee.
 - You will not be charged an additional registration fee for District Championships

District Championship Registration

- The lead and alternate mentor will receive an email from Adrienne Rime no later than Monday morning after you qualify.
- The email will contain a link to a survey that the lead or alternate mentor will need to fill out to either accept or decline their District Championship spot.
- The survey will need to be filled out prior to **3:00 pm pacific time the Monday** after you have qualified for the event
 - We know it is a short amount of time, but we need time to ask the next team on the list in the event a team can't attend.
- For some teams, this may fall during spring break. **Please plan ahead!**
- We will be having a District Championship briefing on Tuesday, March 24. Click this link to sign up for the briefing:
<https://attendee.gotowebinar.com/register/7551510035631565835>

Advancing to World Championships

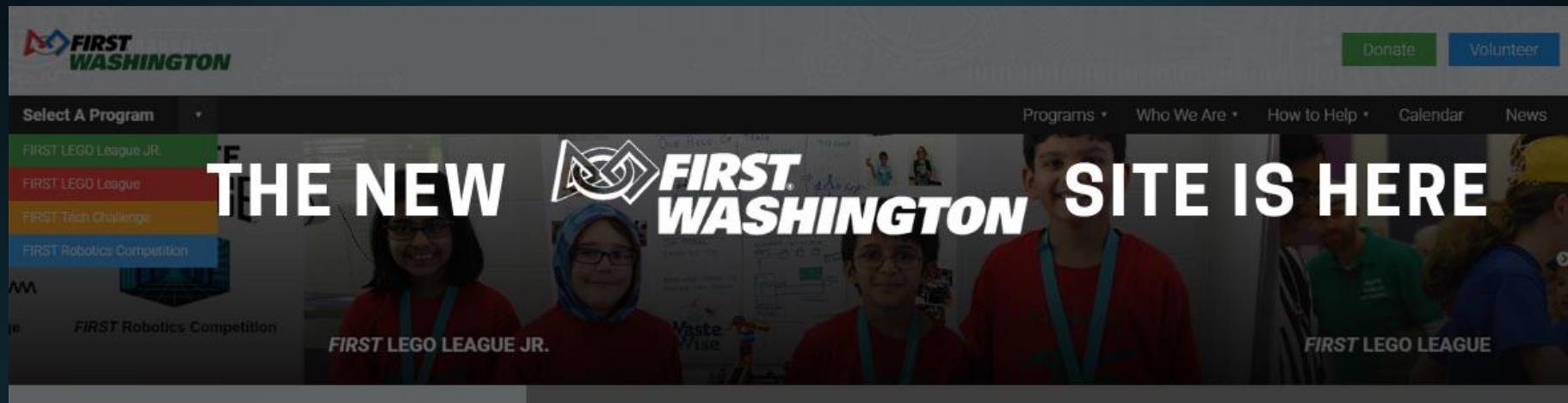
- The PNW is allocated 28 slots at World Championships in Houston
- Advancing to World Championships will be
 - 1 team who pre-qualified from last year's Championship (2557)
 - 3 Chairman's award teams
 - 2 Engineering Inspiration teams
 - 1 Rookie All Star team
 - 21 teams based on their total district qualification points
- As individuals, we are sending:
 - 4 Dean's List Finalists
 - 1 Woodie Flowers Finalist
- Teams will be responsible for the \$5,000 registration fee
 - Payment is made to **FIRST** Washington
 - Dean's list and Woodie Flowers Finalists have no registration fee
 - Engineering Inspiration teams may be eligible for a \$5,000 grant from **FIRST**

Registering for World Championships

- The registration process will be similar to the District Championship Registration process
 - Advancing teams will be announced at PNW District Championships (provided the District Ranking software is up and running)
 - You will have the opportunity to register for Championships (and collect your shipping paperwork) at Pit Admin after the awards ceremony is completed
 - Teams who do not register at District Championships will receive an email with a registration link no later than Monday morning after District Championships
 - The registration form will need to be filled out and payment arrangements will need to be made no later than 5:00 pm PDT Tuesday, April 7th

FIRST® Washington is...

...the No. 1 youth-serving non-profit in Washington State advancing STEM education outcomes and the development of 21st century skills.



Share your Story and Thank State Lawmakers this Thursday, February 13th!

Thank your State legislators on Thursday, February 13th, our 2nd Annual Legislator Invitational. *FIRST* Washington has a great partnership with the State of Washington to help financially support our public schools teams, 4th - 12th grade. For many teams, this is the *largest donor* you have!

Turn on your appreciation to Thank you! To find your state lawmakers (1 Senator & 2 Representatives) go to <https://app.leg.wa.gov/DistrictFinder/> and fill in your address.

**Get Every Team Member,
Mentor to Participate!**

Facebook @FIRSTWashington
Twitter & Instagram @FIRST_wa
State Legislature @WASenDemocrats;@WAHouseDems
;@WASenateGOP;@WAHouseGOP



TopBot's Anyone's Robot Challenge!

Students! Here's your opportunity to mentor adults! We are looking for FRC teams to join us for this day!

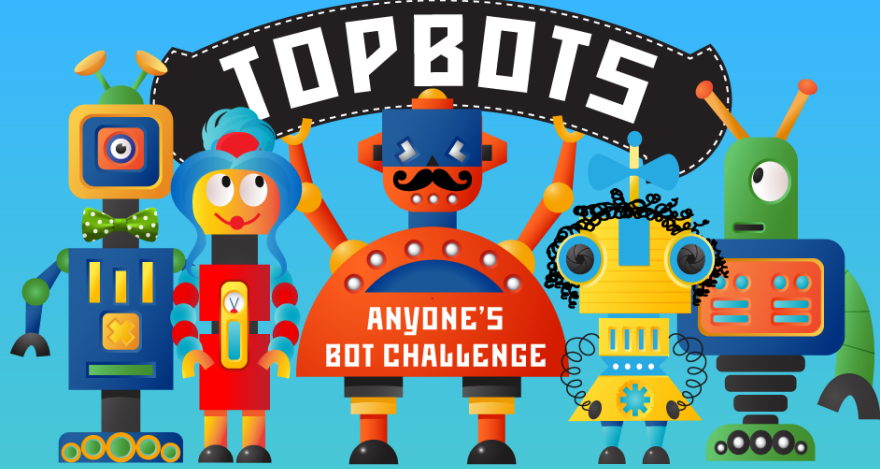
Looking for 2-3 students from various FRC teams.

Interested? **Student Mentor:**

<https://app.smartsheet.com/b/form/d504befd9b1740d6b22a63eb8c6c034d>

Adult Volunteer:


<https://app.smartsheet.com/b/form/494fd834f25a4ae1b37f77ae78518a13>



A CORPORATE TEAM BUILDING EXPERIENCE!

SEATTLE Wednesday, April 22 9:00am - 2:00pm Seattle Center Armory 305 Harrison St Seattle, WA 98109	SPOKANE Friday, May 1 9:00am - 2:00pm Itron Community Center 2111 N Molter Rd Liberty Lake, WA 99019
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Tickets on sale now at: WWW.FIRSTWA.ORG/TOPBOTS

 **FIRST WASHINGTON**
"The sport of science, technology and teamwork."

FOR MORE INFORMATION PLEASE CONTACT:
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