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District Event Briefing February 15, 2024











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Logistics of this Webinar



This presentation is going to move very quickly!

We ask you all to keep your microphones muted.

Feel free to ask questions by typing or hit the raise hands button. If you raise your hand, we will invite you to unmute.

We will attempt to summarize and answer similar questions in mass.

There is a **TON** of information in these slides, we may decide to hold much of the Q&A until the end so be prepared to write down your questions and ask them at the end.

These slides and a recording of this presentation are on

https://firstwa.org/webinars/

Before your event



- Team Communication Extremely important you read these
- Event specific briefings are online soon
 (Clackamas & Glacier Peak are already posted)
- District team RSVP

Team Communication



The District communicates directly to team main and alternate contact

- PLEASE be sure to forward appropriate information regarding event specifics to the rest of your students, mentors & parents
- Parking is a big issue at many Friday, Saturday events. We expect you to communicate parking information to the appropriate members of your team.
- Please also pass along messages about volunteer opportunities for students and parents.

Event Specific Briefings are Online Soon



- Event specific documents available 2 weeks prior (Clackamas & Glacier Peak have been posted)
- We will email the main and alternate contact this information as well
- Site specific information will include food options, parking & load-in instructions, bus and trailer parking, and other things specific to each site.
- You will find them on each event page at https://firstwa.org/competitions/
- 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/frc-rsvp/

On the form, please fill in:

- Which event you are RSVPing for
- · The onsite main contact for each team
- We need a contact mobile phone number for your team Please don't list a school number, you are not at the school when we need to reach you!
- 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)

At Your Event



- Schedule
- Load in/Check in
 - What you should bring
- Drivers Meeting Day and time has changed
- Pit area rules and restrictions
- Team Volunteer Requirements
- Alliances and backups











Sample Schedule

Remember, the schedule can change. Be sure to check the official schedule at the event (Door open times should not change)

Glacier Peak District Event Schedule March 1 – March 3

Competition Schedule

	Competition Schedule
March 1	
5:00PM-8:00 PM	Pits Open
March 2	
8:00AM-11:00AM	Pits Open, Inspections, Field Measurement/Calibration, Practice Rounds
11:00AM-11:15AM	Opening Ceremonies
11:15AM-1:00PM	Qualification Matches
1:00PM-2:00PM	Lunch
2:00PM-8:00PM	Qualification Matches
8:15PM*	Pits Close
March 3	
8:00AM	Pits Open
9:00AM-9:15AM	Opening Ceremonies
9:15AM-11:00AM	Qualification Matches
11:00AM-11:30PM	Alliance Selections
11:30AM-12:30PM	Lunch
12:30PM-3:30PM	Final Rounds & Awards Ceremony
4:00 PM*	Pits Close

*Schedule subject to change. All times are estimated based on flow of rounds. See Pit Administration table for updated times.











Sample Schedule

Remember, the schedule can change. Be sure to check the official schedule at the event (Door open times should not change)

Glacier Peak District Activity Schedule March 1-3, 2024

Activity Schedule

	Activity Schedule
March 2	
	Menstrual Equity Host 4450
8:30 AM	Drivers Meeting
See schedule on door	Quiet Room Need Host
11:45 AM - 12:45 PM	Women and Non-binary individuals in STEAM hosted by 9036
1:00 PM	Sr Photo on the competition field
2:30 - 3:30 PM	Advocacy workshop hosted by 2412
4:00 - 5:00 PM	Bellevue Alliance Workshop hosted by the Bellevue Alliance (492, 948, 949,
	1899, 2412, 7461, 9036)
End of Matches	Alum Photo on the competition field
March 3	
	Menstrual Equity Host 4450
7:00 AM	Mentor Coffee (See pit admin for details as to where the coffee will be held)
See schedule on door	Quiet Room Need Host
When done with match	Return Zebra Tags
play	

*Schedule subject to change. All times are estimated based on flow of rounds. See Pit Administration table for updated times.

Schedule Overview: Whole Event



Day 1:

Load in and inspection

Day 2:

- Inspection,
- Driver & Coaches Meeting will be at 8:30 am This is a change!
 Keep in mind inspection AND judging is also happening at this time so plan accordingly.
- Practice matches
- Qualification Matches

Day 3, AM:

Qualification Matches

Day 3, PM:

Final Rounds / Team Departures

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. You will need to wait outside the building regardless of weather so come prepared

What you should bring



Bring team rosters with all of your STIMS information to **EACH** event you attend (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 SAFETY GLASSES

- For your entire team, parents, mentors and visitors
- We will not have safety glasses on site for participants or spectators

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 ¾ " Plywood pounding board

Pit Etiquette



Your team has a 10' x 10' pit space

- Please keep inside your 10'x10' pit space
- Do not setup in the isle / walkway / or expand beyond 10' This includes storage space. Everything you bring 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 to be done

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 been warned!

Drivers Meeting at 8:30 am Day 2



- The Drivers Meeting is scheduled for 8:30 am Day 2
- From what we understand, as of right now Q & A will be handled a like last year
 - Pit Admin will have a paper Q & A forms
 - Team members can fill out the form with their questions and turn them in at Pit Admin
 - The deadline to turn in forms is prior to pits closing Day 1
 - Forms turned in on Day 2 may not be addressed at the drivers meeting
 - Remember, judging and inspection are both happening during the morning as well. Make sure you have students in your pits.

Team Volunteer Requirements



All teams will be required to help staff the safety glass table.

Though we will not be distributing safety glasses this year, we will need 2 people at a table outside the pits checking to be sure anyone entering the pits is wearing safety glasses. Please sign up for a shift at Pit Admin when you check in your team

Other event volunteer opportunities include Practice Field staff, field reset, queueing, ambassadors.

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. We will only offer a quiet room where we have a willing host. 5588 provides a tote on each truck with quiet room supplies and will be contacting our hosts this year to give information on what is expected of the quiet room host

We need quiet room hosts!

To sign up to host a quiet room, follow this link:

https://app.smartsheet.com/b/form/38cb359f243c45c59b8796b0a6ded2a5

Week 1

Clackamas Academy - Need Host

Glacier Peak - Need Host

Week 2

Oregon St. Fair - Need Host

Auburn - 5588

Week 3

SunDome - Need Host

Bonney Lake – Need Host

Week 4

Wilsonville – not sure if we have a quiet room available

Sammamish - 2412

Week 6

District Championships – 2412 if they qualify

Menstrual Equity at events



Menstrual Equity refers to the idea that everyone should be provided access to affordable menstrual hygiene products. Lack of access to products can cause discomfort and health risks such as reproductive tract infections and Toxic Shock Syndrome.

The goal of m.e. FIRST is to provide everybody with free pads and tampons at FRC competitions to remove the financial barriers related to menstruation. How to Help?

Your team can help with this project by signing up as a m.e. FIRST Ambassador to assist in providing menstrual products available at your events. This includes placing menstrual products in the bathrooms and making care packages for teams to keep with them throughout the event. If you're interested or have any questions, please reach out to 2980m.e@gmail.com.

Menstrual Equity at events



Week 1

Clackamas Academy - Need Host

Glacier Peak - 4450

Week 2

Oregon St. Fair - 5975

Auburn - 3786

Week 3

SunDome - Need Host

Bonney Lake - 2980

Week 4

Wilsonville - 997

Sammamish - 2412

Week 6

District Championships - Need Host

Workshops at events



We have a few teams who have asked to host workshops at events. Though we are still working on approval for some venues, I want to share what we are hoping to be able to offer. Confirmed workshops will be in our site specific PowerPoint. At this time, the deadline has passed for workshop requests, so we don't anticipate any additional workshops

Week 1

Clackamas: Scouting with Peregrine hosted by 2733

Glacier Peak:

- Advocacy Workshop hosted by 2412
- Bellevue Alliance Workshop hosted by 492, 948, 949, 1899, 2412, 7461, 9036
- Women & Non-binary Individuals in STEAM hosted by 9036

Week 2

Auburn

- Diversity, Equity & Inclusion Workshop hosted by 1899
- Sustainability Workshop hosted by 1899

Week 4

Wilsonville: Scouting with Peregrine hosted by 2733

Sammamish:

- LGBTQ+ of FIRST Meetup, hosted by 2412 & 8248
- Bellevue Alliance Workshop hosted by 492, 948, 949, 1899, 2412, 7461, 9036
- Women & Non-binary Individuals in STEAM hosted by 9036
- Sustainability Workshop hosted by 1899

Week 6

We will publicize when we are closer to the event

Learn about Peregrine!

Join team 2733 as we introduce you to the future of FRC scouting. Peregrine handles all the computation and aggregates data from multiple teams. Practice using the app and get set up today!



ROBOTOTES.COM



Robototes present

Advocacy Workshop!

an interactive presentation with strategies and advice to advocate for STEM education and team needs (funding, club space, STEM credit, etc.) brought to you by Team 2412, the Robototes, who have held several previous advocacy conferences and used these strategies to testify in favor of multiple bills

includes:

- · presentation and writing tips
- . how to identify and build asks
- . everview of US and WA government.
- tips and advice from district board members and congressmen

Contact

@ROBOTOTE

REDIET.TASSEW@ROBOTOTES.COM



WOMEN AND NON-BINARY

INDIVIDUALS IN

STEAM



RAMEN ROBOTICS WINS INITATIVE WORKSHOP

The Women and Nonbinary Individuals in STEAM (WINS) initiative focuses on increasing awareness of the gender divide, increasing women and nonbinary membership in Ramen Robotics and other FRC teams, and creating a space for women and nonbinary individuals to feel comfortable and supported in STEAM spaces. We want to promote gender equality in robotics teams. Our workshop will include gender bias training and will also provide a safe space for women and nonbinary individuals to learn about STEAM.

RSVP HERE

CONTACT:

macdonaldh@bsd405.org ramenrobotics0@gmail.com





Diversity, Equity, and Inclusion Workshop



Hosted by: Saints Robotics 1899

Discuss what DEI is and how it applies to First Robotics Collaborate on strategies for how to implement and strengthen DEI in your team and community



Diversity, Equity, and Inclusion Workshop



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LGBTQ+ of FIRST Meetup, Hosted By Teams 2412 and 8248

Join us for a casual networking event for members of the LGBTQ+ community within *FIRST*

- Pride flag signings
- Group Photo
- Presentation about increasing inclusion within FIRST

LGBTQ+ of FIRST







DEI at events



DEI Advisory Committee Table

The FIRST WA Student DEI Advisory Committee plans to host a table at all events with helpful resources, pronoun pins, and more!

If your team is interested in helping staff the DEI table, email staff the DEI table, email studentdei@firstwa.org



Mentor Coffee - New this year!



We are planning to host a mentor coffee at our District events this season to celebrate all of you! These events will be hosted by our Woodie Flowers Finalists. Coffee will be provided and possibly light pastries (will vary by event)

- Details about each specific event will be on the site specific powerpoint
- Please note: Most of these will start at 7:00 am. Students and spectators will not be allowed
 in the building until 8 so please plan accordingly.

Week 1

Clackamas Academy - Hosted by Tim BD, WFFA 2011

Glacier Peak - Hosted by Che Edoga, WFFA 2021

Week 2

Oregon St. Fair - Hosted by Darren Collins, WFFA 2015

Auburn - Hosted by Chris Zawislak, WFFA 2023

Week 3

SunDome - Eric Stokely, WFFA 2007, WFA 2016

Bonney Lake - Hosted by Che Edoga, WFFA 2021

Week 4

Wilsonville - Hosted by Tim BD, WFFA 2011

Sammamish – Hosted by Jason Onada, WFFA 2022

Week 6

District Championships – Woodie Flowers nominee breakfast hosted by Eric Stokely, WFFA 2007, WFA 2016

Accommodations at events



In the PNW, we work VERY hard to make sure everyone has a great experience at our events. Here are some of the things we are doing:

- We are working on getting hosts at all of our events (please consider being a host!)
- We are able to accommodate ME at all of our events (we are still looking for hosts for some of our events)
- We offer gender neutral bathrooms at most events
- We have many accommodations for students in wheelchairs
- We have many accommodations for students that are hearing impaired
- We have a wheelchair ramp that can be put on the truck (on request) to access the drivers station

We are aware of the needs at some of our events, but if you don't tell us, we may not be aware of your team's need. Please fill out <u>this form</u> to let us know if your team needs any accommodations.

Understand, we may not be able to accommodate everyone's needs. We are a small organization and venues vary. Please be gracious and kind if we can't exactly meet your need the way you would like. The earlier you make us aware of a need, the greater chance we may be able to make an accommodation.

Queueing App (Nexus)



We will be the queueing app at our events this year. We are hoping that it makes queueing easier both for teams and volunteers.

Note: This does not replace the queueing volunteers. If a volunteer is asking you to queue, follow their direction please.

With the queueing app, you will be able to:

- Set up notifications for up to 8 people
- Set up notifications for 1 slack channel (slack or discord)
- Anyone can look on their phone to see who is being queued

Queueing App (Nexus)



You will receive a QR code in your check in packet that will help you set up the team members to be notified.

Note: This is not an official FIRST app and we do not guarantee that it is accurate but hope as our queueing team gets comfortable with the app, it will be a helpful tool to teams. If a queuer comes to get you in your pit, please follow their instructions.

Alliances & Backups



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!
- Make sure you understand the rules for calling a back up.

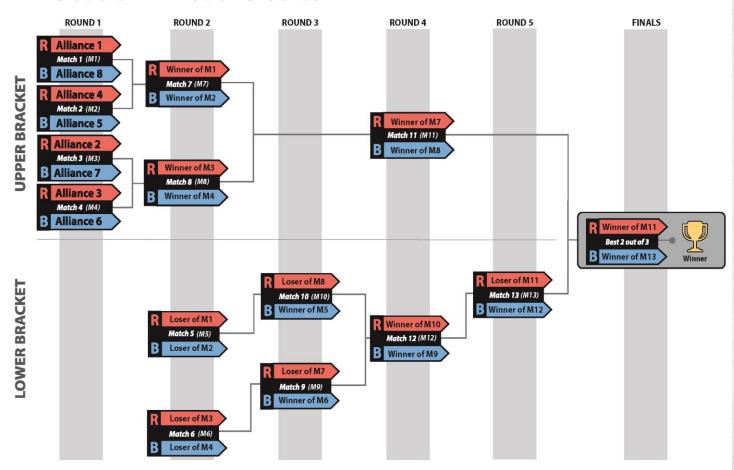








Double Elimination Bracket









What to know



During the quarter & semi final rounds

- There is a upper bracket and a lower bracket so you will not play the same team in every match
- You are still out after 2 losses
- There no more time outs
- There is only one 6 minute break prior to the awards breaks
- Match cycle times will be slower than the qualification rounds



During the finals rounds

- This round is the best 2 out of 3 (Does not matter if you have a loss from the quarter or semi final rounds)
- There are 15 minute breaks between each round
- We will hand out awards during the 15 minute breaks
 - There may be times when the awards take longer than 15 minutes, however, the expectation is that your team will be prepared to take the field at the end of 15 minutes.

District Rankings



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

https://frc-events.firstinspires.org/2024/district/PNW

Another source of information is the Blue Alliance website www.thebluealliance.com

Judging



- Team judging Will be in person at events
- Impact Award judging (formerly Chairman's) Will be in person at events
- Deans List Judging Will be in person at events
 - Coaches were notified on 2-13-24 which event their student is being interviewed at. If you did not receive a notification, please reach out to me at

acollins@firstwa.org

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 2024 will become Deans List Finalists and will be invited to World Championships in Houston

Woodie Flowers



We will celebrate Woodie Flowers Nominees at the event their team submitted them for.

2 Woodie Flowers Finalist's will be announced at the PNW District Championship.

Nominee's are not required to attend the District Championship **BUT** we do plan to have a breakfast at that event to recognize and celebrate all of our nominees!

 Each nominee can pick up an invitation from Pit Admin at the event they were nominated for to get information on the breakfast including how to RSVP

Zebra Technologies



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



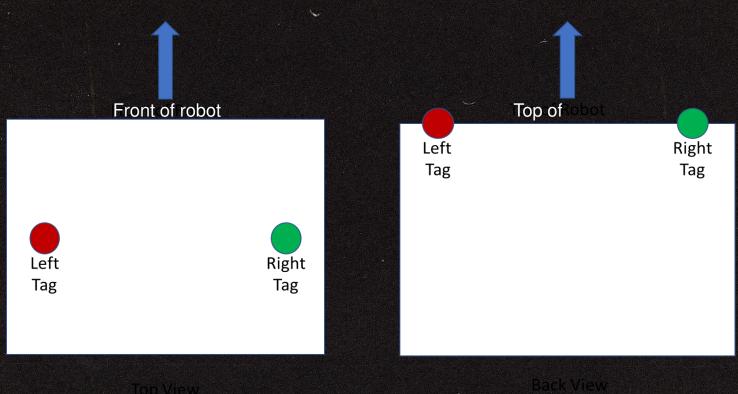
Attaching Tags

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

Advancing to District Championship



The 2024 District Championships will be at Veterans Memorial Stadium 50 of our 127 teams will advance to the District Championship

- 8 teams advance based on the District Event Impact award
- 42 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

Advancing to District Championship – Engineering Inspiration & Rookie All-Star



Teams that win the Engineering Inspiration and Rookie All-Star awards will be invited to District Championships to compete for those awards.

You must qualify via one of the methods in the previous slide to compete with your robot.

If you do not qualify with your robot, you are invited to attend District Championships, but it is not required. We will set up a remote interview with the judges if your team chooses not to attend.

If you qualify for Championships via the Engineering Inspiration or Rookie All-Star award, you will be invited to compete in Houston with your robot!

District Championship Registration



The lead and alternate mentor will receive an email from Adrienne Collins no later than the Monday morning after you qualify for District Championships (for most teams, this is the Monday after the week 4, Sammamish event.)

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 **Tuesday** after you have qualified for the event (Yes, you have just a bit more time this year!)

 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 19. Here is the link to the briefing:

https://firstwa.org/event/frc-coaches-chat/2024-03-19/

Advancing to World Championships



The PNW has been allocated 22 slots at the World Championships in Houston Advancing to World Championships will be

- 2 FIRST Impact award teams
- 1 Engineering Inspiration teams
- 2 Rookie All Star team
- 17 teams based on their total district qualification points

As individuals, we are sending:

- 4 Dean's List Finalists
- 2 Woodie Flowers Finalists

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
 - Note: you will not get your shipping paperwork until you have registered for Championships
- The registration form will need to be filled out and payment arrangements will need to be make no later than 5:00 pm EST Tuesday, April 9th

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.

We LOVE seeing our Alumni come back and volunteer!!!

General Questions are now welcome