

FRC 2019-20 Team Briefing



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FRC Season 2019-2020

- Upcoming Calendar of important deadlines
- Upcoming Calendar of Workshops and Events
- District status update
- Participation Fees
- Stop Build Day Retirement

2020 FRC Deadlines and important dates

- 9-19-19 9:00 am First FRC event preference system opens
- 9-26-19 9:00 am First FRC event preference system closes
- 9-30-19 5:00 pm Boeing FRC Mentor Grant closes
- 9-30-19 5:00 pm ODE Grant closes (OR schools)
- 10-3-19 4:00 pm *FIRST* Washington Grant closes
http://bit.ly/FIRST_WA_Grant_2019
- 10-10-19 4:00 pm OSPI iGrant for FRC teams due (WA public schools)
- 10-10-19 9:00 am Kickoff Registration opens
- 10-10-19 9:00 am Second FRC event preference system opens
- 10-17-19 9:00 am Second FRC event preference system closes
- 10-31-19 9:00 am District 3rd play and unrestricted Regional registration opens
- 11-7-19 9:00 am Inter-district registration opens
- 11-18-19 9:00 am All event registration closes
- Wk Nov 25: Invoices sent out



Pro Tips

- **You MUST have two adult mentors pass the YPP program BEFORE you will be allowed to register for your first event.**
- Do this NOW!
- DO NOT change mentors between your first and second registration or they may not get through the YPP process.
- If you need to change mentors, wait until after you register for your 2nd event.

Event Registration

- Starting Sept 19 you will have one week to enter your ranked event preferences for your **first** event
 - Assignments are done by lottery
 - It gives you no advantage to enter your event preferences early. Relax! All entries before 9/26/19 09:00 AM PST will have the same chance.
- If you select your home event, you will be given that preference (no need to select any additional events)
- If you select an event other than your home event, you will be subject to the outcome of the lottery.
- Remember, you are only guaranteed your home event during your first registration window. If you don't choose it at that time, it opens up to anyone else who did and there may not be room in that event come second registration.

Detailed instructions can be found at:

https://www.firstinspires.org/sites/default/files/uploads/resource_library/frc/registration/2019/2019-event-preference-system-user-guide.pdf



2019 FRC Calendar of Workshops and Events

- Sept 28th Diversity, Equity & Inclusion workshop, Lewis & Clark HS, Spokane, WA
- Oct 5th Diversity, Equity & Inclusion workshop, Seahome HS Bellingham, WA
- October 19th **FIRST** Fair, OR
- November 16th FRC Workshops which includes Diversity, Equity & Inclusion workshop, Tacoma, WA
- Watch your future PNW FRC email blasts for details
- Host a workshop in your area!

Off Season Events

- 10-5-19 Girls Generation Oregon by FRC 1425
 Wilsonville HS in Wilsonville
- 10-12/13-19 Girls Generation Washington by FRC 2046
 Tahoma HS in Maple Valley
- 11-2-19 Robot Rewind by FRC 2147
 West Valley HS, in Spokane Valley
- 12-21-19 Bunny Bots by FRC 1540
 Catlin Gable in PDX

Volunteer Opportunities

- A/V Crew for all events
 - Audio Visual setup and operations
 - Students welcome, no experience necessary
- Technical Directors also needed
 - Manage setup and operation of all production equipment
 - Looking for alumni or adults to manage this key volunteer position
- FLL Events first two weekends of Dec in Washington and Oregon
 - Need adults for judges and referees
 - No experience required, we will train you

Status of the FRC district

- We expect to have 150 teams this year
- We are holding 9 district events
- District Championship will be at Eastern Washington University in Cheney, WA April 1st – 4th, 2020
- We are estimating the PNW District will send 31 teams to the World Championships in Houston (This will not be finalized until after registration closes)
- *FIRST* is asking the PNW District to send our volunteers to Houston. Consider going! Should be a lot of fun.



2019 PNW FRC Kickoff Locations

Venue	Where
Auburn High School	Auburn, WA
Eastern Washington University	Cheney, WA
Mountlake Terrace High School	Mountlake Terrace, WA
St. Martins University	Lacey, WA
Wapato High School	Wapato, WA
COCC Redmond Tech. Educ. Ctr.	Redmond, OR
La Sells Stewart Center	Corvallis, OR
University of Portland	Portland, OR

Kickoff Location Selection on October 10th, 2019



2019 PNW FRC Event Calendar

Venue	Where	When	Week
Clackamas Academy (CAS)	Oregon City, OR USA	Feb 27-29, 2020	1
Glacier Peak High School (GPK)	Snohomish, WA USA	Feb 28-Mar 1, 2020	1
West Valley High School (WVY)	Spokane, WA USA	Mar 5-7, 2020	2
Auburn Mountainview High School (AMV)	Auburn, WA USA	Mar 6-8, 2020	2
Wilsonville High School (WIL)	Wilsonville, OR USA	Mar 12-14, 2020	3
SunDome (SUN)	Yakima, WA USA	Mar 19-21, 2020	4
Bellingham High School (BEL)	Bellingham, WA USA	Mar 20-22, 2020	4
Oregon St. Fairgrounds (OSF)	Salem, OR USA	Mar 26 - 28, 2020	5
Auburn High School (AUB)	Auburn, WA USA	Mar 27 - 29, 2020	5
PNW District Championships	Cheney, WA USA	Apr 1-4, 2020	6

About Third Plays

- Third plays cost \$1,000 and do not count for points
 - You can still win awards at third plays, but no points even for those
 - Registration opens 10/31/19
 - Space will be extremely limited
- You have the option of doing a third play in another district
 - Registration opens 11/7/19
 - These are assigned last after all inner district plays have been assigned
 - Inter-district plays do not qualify for any awards or points
 - Inter-district play does not affect the chronological order of your events
- Teams will receive a separate invoice for third play, regional, and inter-district play from *FIRST* Washington.

PNW District participation fees

- The participation fee this year is \$12,000
 - **DON'T PANIC! Breathe.... Ahhhh.....**
- *FIRST* Washington and ORTOP are fundraising on your behalf right now! We have raised most of the difference already
- There is a grant system in place for ALL PNW district teams
 - You MUST fill in this grant if you want us to buy your participation fee down
 - If you opt not to fill out this grant, your participation fee will be \$12,000

FIRST Washington Grants

- So far, FW and ORTOP have raised direct funding to support teams who compete in the PNW District.
- Thank you to all teams who submitted their budgets – this allows us to understand your teams goals and needs.
- The information in the grant application is required by some of our donors
- As of today, just under 1/3 of FRC teams in the district have applied. **You MUST apply for this grant to access these funds!**
- The grant is due on 10/3/2019
- Application Link: http://bit.ly/FIRST_WA_Grant_2019

Following Donor Intent

- We work very hard in raising unrestricted funds so we can allocate to teams in need.
- However, many donors do request that their donations are allocated to specific circumstances.
- Team invoices will be different due to honoring donor intent

2020 Robot Changes

- Stop Build Day
- “Major Mechanism”
- Misc

Commentary in [9/6 Blog Post](#)
Details in [linked PDF](#)

Stop Build Day

- **There is no Stop Build Day for 2020**
- Rules 17-23 have been removed
- Teams can work on their robot whenever they are not competing
- During competition **hours**, the same rules apply as previous years:
 - All parts must be loaded in at the beginning of the competition unless on the list of exceptions
 - No work on robots outside of competition hours except for items specifically allowed
- Rules around shipping to World events still undecided

“Major Mechanisms”

- “Major Mechanisms” included on the robot must be built by the team who own the robot
- A MAJOR MECHANISM is a group of COMPONENTS and/or MECHANISMS assembled together to address at least one (1) game challenge: robot movement, game piece control, field element manipulation, or performance of a scorable task.
- Rules also includes examples of “Major Mechanisms”, examples of items excluded, and an attempt to close some loopholes

Misc

- Note about getting sleep the night before an event
- Weight limit on mechanisms used in different configurations without re-inspection & rule to block loophole
- Explicit rule about what changes trigger re-inspections
- Addition of “Team Compliance Statement” to Inspection Checklist
- Rule about working on robot in designated areas only during competition

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ROBOTICS
COMPETITION



FIRST Washington is 1,168 teams...

...growing our state reach.

2018-2019 Numbers at a Glance

13,489

students in
**133 school districts and 33
counties**

5,500

Mentor/coach roles for teams
and competition volunteer
roles

558K+

volunteer hours
serving Washington State
youth

~\$80M

scholarship opportunities
nationally from nearly **200
providers**

150

competitions annually

42

FIRST Washington teams
compete annually at *FIRST*
Championships



Commitment to Equity and Access

Join *FIRST* Washington and 3 FRC host teams for a free ½ day workshop around Diversity, Equity and Inclusion! We have a professional facilitator, Tareena Joubert joining us for these days.

- **Saturday, September 28th:** 9 a.m. – 1 p.m., Lewis and Clark High School, Spokane. Thank you Titanium Tigers, FRC team 2944 for hosting!
- **Saturday, October 5th:** 10 a.m. -2 p.m. Seahome High School, Bellingham. Thank you Seamonsters, FRC team 2605 for hosting!
- **Saturday, November 16th,** 9 a.m. – 1 p.m., Environmental Learning Center, Point Defiance. Thank you SotBots, FRC team 2557 for hosting!

Go to <https://www.firstwa.org/Calendar> to register and sign up!



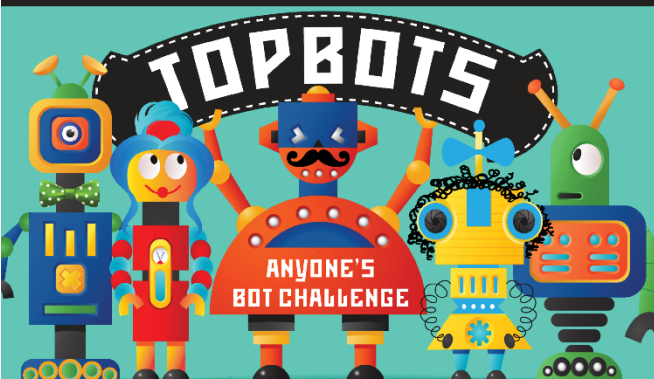
TopBot's Anyone's Robot Challenge!

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

Looking for 3-4 students from various FRC teams.

Interested? Hold Feb. 6th (get excuse to miss school) and details to follow.

REGISTER YOUR CORPORATE TEAM NOW
Only 42 Team Slots Available!




THURSDAY, FEBRUARY 6, 2020
9:00am - 2:00pm
Seattle Center Armory, 305 Harrison St, Seattle, WA 98109

DETAILS

- Teams build a robot to compete under the mentorship of FIRST students! No experience necessary to participate!
- Registration fee \$2500/team up to 5 adults per team
 - Includes robot, supplies, lunch and t-shirt
 - Awards and beer celebration
- Each team competes in 2 rounds with top 8 teams advancing to final championship round
- Excellent team building and having a ton of fun supporting the next generation of STEM/STEAM leaders!

Tickets on sale now!
WWW.FIRSTWA.ORG/TOPBOTS
All proceeds benefit FIRST Washington teams!

 **FIRST WASHINGTON**
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FOR MORE INFORMATION & SPONSORSHIP OPPORTUNITIES
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FIRST Sister Program

Rookie Teams	Veteran Teams
Foss HS, Tukwila	Skunkworks
Eastside Catholic, Sammamish	IRS, Issaquah
Seattle Academy of Arts and Sciences	ClawBots, Enumclaw
Rogers HS, Puyallup	Horns of Havoc, Puyallup
Mt. Tahoma/Lincoln HS, Tacoma	SOTABots, Tacoma

General Questions are now welcome

- Ask us anything you need help with!