Fairview Vex IQ 2018 Info for Mentors

Requirements:

1) List of students on the team
2) Team name
3) $150 for the registration fee
4) $300 for the basic robot kit (or up to $510 for all add-ons)
5) At least one mentor (**does not need to be technical**)

Adult mentor duties:

1) ***Scheduling***: Figure out student schedules and decide when and where to meet to accomplish goals.
2) ***Communication***: Communicate with students and parents about schedules, costs, needs, etc.
3) ***Guidance***: Help the team stay on task, but have fun. Read the rules and help students also go through the rules and understand them.
4) ***Moral support***: Encourage them! They can do it!
5) ***Find help***: If the team does need some kind of technical expertise, ask around (especially at the other teams) and see if you can get the help they need.
6) ***Celebrate***: Help the team celebrate their victories and learn from their mistakes.
7) ***Collaborate***: Talk with other team mentors and swap ideas.

Fairview Tournaments:

- We need help! Please ask spouses/friends/family/kids/acquaintances if they can help out! Have them contact Kevin Tucker (kevint@fcsseattle.org or call 206-227-9236) Or just give me their contact info and I'll bug them! ;-)
- These are fundraisers for our teams. Other teams will pay to come to our events and we can also sell concessions and other items.
- Saturday, December 15th, 9am - 4pm
- Saturday, January 19th, 9am - 4pm

Sponsors:

- Teams are encouraged to find corporate sponsors for monetary support, to connect kids with people in the workplace in possible fields of study, and to provide additional mentors to the team if others at the company become interested. Teams often create matching t-shirts that display sponsors

Sites for ideas:

- How to Start and Organize a VEX IQ Challenge Team
- How to Start & Organize A VEX Robotics Team 2017

Team Goals:

- ***Work well together***: Each person should find a role or roles they can fill within the team and do their best. Support each other and actively search for ways to help. Judges at competitions will be watching how the team members interact. Code of Conduct. Team spirit, matching t-shirts, funny hats, team cheers and more are all encouraged.
- ***STEM Research Project***: Project Info. Each team is expected to complete a research project and do a presentation at least one time to judges at a meet during the season. This is expected to be age appropriate, but as complete as possible. See if teachers can be utilized to help the teams out with this part.
- ***Design Notebook***: Teams will be asked to submit a notebook during judging. Example of a Design Notebook. Info on requirements for the Design Notebook. We have notebooks that the team can use that provide some starter information.
- ***Build a Robot***: When team's robot kits arrive, they can put together the basic robot with the instructions provided and then modify it from there, they can look for other designs to follow off the Internet, or they can completely design their own from scratch. They just need to have a robot that can be driven by remote control and can accomplish the tasks set out in the Game Manual. Teams are expected to know all the requirements and limitations for the robot build and for how they can interact with the playing field. Get to know the game manual really well!
- ***Drive the Robot***: There will need to be multiple drivers of the robot during each competition. Heavily suggest that all the team members be given chances to practice driving the robot to complete it's tasks.
- ***Program the Robot***: An optional challenge is to program the robot to do the game tasks with no driver interaction. Additional points can be awarded this way. Programming can also make driving the robot easier by adding in repetitive tasks that can be performed by the touch of a button.
- **Attend Competitions**: Teams should compete in at least two competitions between October and February, if possible, more. Fairview will be hosting two competitions that will be no cost to our local teams. You can find all the events posted on the RobotEvents website. You could even go international if you were so inclined. To be able to compete at the state level, the team will need to win certain awards at one of the qualifying events.