

VEX IQ Event Troubleshooting

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Agenda

- Pre-Troubleshooting
- Areas that may need troubleshooting
- Open discussion on troubleshooting



Pre-Troubleshooting

- *Planning* and *Preparation* will greatly reduce the need to troubleshoot
- Should happen well in advance of the event!
- Understand your role as EP leading up to and on the day of your event



Planning

- Planning is having a clear idea of what your event should look like
- Use the resources you have available
- roboticseducation.org/event-partners/
- Your Regional Support Manager
- Other EPs
- Use our checklists and develop your own



Preparation

- Preparation is getting ready to execute your plan
- Begins during season scheduling with your RSM
- Timeline checkpoints - Discussion
 - 2-3 months out
 - 1 month out
 - 1-2 weeks out
 - Day before
- Key Volunteers - Judge Advisor, Head Ref, Volunteer Coordinator
- Copies of resources, flash drive, extra printer/toner/paper



Troubleshooting

- Sometimes things don't go as planned
- This is one of your main roles the day of the event
- Potential areas requiring troubleshooting
 - Venue
 - Volunteers
 - Scheduling
 - Equipment
 - Software
 - Event Attendees
 - Awards



Venue

- Good relationship with building administration
- Have contact information of key individuals
- Have a safety plan
- Bad weather policy
- Discussion - What venue related items have you had to troubleshoot?



Volunteers

- Trust your key volunteers and the training you have provided
- Volunteers are a no-show the day of the event
- Not enough volunteers
- Volunteers not following training
- Discussion - What volunteer related items have you had to troubleshoot?



Scheduling

- Event isn't filling
- Teams don't show up
- Different teams show up
- Extra teams show up
- Discussion - What scheduling related items have you had to troubleshoot?



Equipment

- Backups of key equipment should be part of your preparation
 - Router
 - Printer/toner/paper
 - Spare game elements
 - Extra PCs/Raspberry PIs
 - Tablets
 - Sound
- Displays stop working
- Network problems
- Robot problems

Discussion - What equipment related items have you had to troubleshoot?



Software

- Make sure software is up to date beforehand (preparation)
- Make sure you have a good understanding of software
- Train your volunteers
- Have a flash drive with copies of TM, VEXos, RobotC
- Make a copy of your tournament before you start qualifications and after awards

Discussion - What software related items have you had to troubleshoot?



Event Attendees

- [Code of Conduct](#) - know it, display it, distribute it
- Safety issues
- Dropped robots
- Poor sportsmanship
- Ref challenges
- Volunteer missteps
- Helicopter parents
- Over-involved mentors
- Spectators

Discussion - What event attendee related items have you had to troubleshoot?



Awards

- Judge Advisor writes wrong team on award script
- Team displays poor sportsmanship after judges have determined awards
- Judges overlook an award
- Don't let your critical volunteers leave early!

Discussion - What awards related items have you had to troubleshoot?



Other Areas of Troubleshooting

Open Discussion



<https://www.roboticseducation.org/>

