



Grand Blanc High School Robotics Team

Attend a VEX Competition with your Team Getting Ready for the Event

Read these instructions COMPLETELY - start to finish - before beginning work.

If you run into roadblocks while working on this training:

ALWAYS REMEMBER: If you get stuck or have questions...

- a. Try to find an answer within the resources provided to you. Re-Read the Instructions. Re-Watch the videos. Check out the resources posted in this document or in Google Classroom. Check the [REC Library](#) & [VEX Library](#).
- b. Check the #deliverables-first-year Slack to see if someone else has already asked the question you have
- c. Ask a Veteran Student on your (or another) VEX Team BEFORE you approach a Mentor.

You will be working collaboratively with YOUR VEX TEAM:

1. IMPORTANT NOTE: You must attend an event WITH your VEX Team to complete this training. Every member should be involved in each part of this process (if possible)
2. If you have not been assigned a VEX Team, or have not been given a VEX V5 brain/controller, please talk to Clinton/Brandi/Cathy to get you what you need.

Pre-Event Prepwork and Information:

1. Read the [Attending a VRC Tournament REC Library article](#) to learn more about what to expect on the day of a tournament.
2. Read the [Guide to Judging: Awards REC Library Article](#) to learn more about the judging process,
3. Read the [Guide to Judging: Team Interviews REC Library Article](#) for more information on what your required interview will look like.

Work with your Team to get your Robot & Engineering Notebook ready for the Tournament:

1. Complete the [Robot Inspection Sheet](#) to ensure that you'll pass inspection at the event. If you do not meet ALL of the criteria on the sheet, make all necessary changes before the tournament
2. Learn how to put the [Competition Template onto your Robot](#) and follow the instructions
3. Get your Engineering Notebook ready for submission at the event:
 - o You may choose to submit one person's notebook on behalf of the Team, or create a group effort submission that includes all of the Team Members' entries
 - o If you used a physical notebook, bring it with you the day of the event and turn it in at Team Check-In
 - o If you used a Digital Engineering Notebook, ask Clinton or Brandi to [Upload your Notebook to your Team's Robot Events Account](#) (note: Students cannot complete this action on their own, it must be done by Clinton or Brandi)
4. At the meeting before your scheduled tournament, gather your Team's materials and load them into your Team's Tote:



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- Robot
 - Controller
 - Brain
 - Battery
 - Battery Charger
 - Spare Parts
 - Anything else you might need
5. Teams are responsible for transporting their own robots:
- Determine which Team member(s) are going to be responsible for taking your Tote to the event
 - Take a photo of the contents of your Team's Tote and send a GROUP DM to Clinton, Brandi & Cathy and confirm who will be responsible to taking the materials
 - Materials may be taken home from the Team meeting prior to the event, and must be brought back at the next meeting following the event.
 - All materials must be brought back to the Team in the same or better condition than they were received.

Set up your Engineering Notebook:

6. Each person on your Team must complete their own, individual Engineering Notebook Entry. You MAY NOT just write one entry and copy/paste it for each person. We WILL be checking for plagiarism.
7. You may choose to utilize the [template](#) available in [VEX's Notebooking Library Article](#) or create your own.
8. If you are creating your own Engineering Notebook template, use this naming format:
FIRST NAME LAST NAME - YEAR - NAME OF THIS DELIVERABLE
9. As you work, jot down anything that you think might be important, helpful, or interesting to you.
 - You will also need to take photos or videos to document your experiences, and include them in your notebook.
 - There are several questions listed below the build instructions. Be sure to answer those after you're done building.
10. You'll need to do a PEER REVIEW before you submit your Digital Engineering Notebook:
 - Any Veteran Student (someone who has completed a year of FRC) can do your peer review
 - Once your entry is complete, ask a Veteran Student to take a look at your entry and give you feedback.



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After the Event, Develop and Engineering Notebook Response to your Experience:

1. Entries should be developed while the event is fresh in your mind.
2. Create an entry in your Engineering Notebook, using whatever style you like best. You can make an outline, flow chart, illustration, etc., or you can just write paragraphs. Whatever works for you, as long as it's organized and easy for someone to follow the flow of information.
3. Please consider the following points when creating your entries:
 - a. Entries should reflect learning and dedication to improvement.
 - b. If someone who hasn't read the instructions for this training is looking at your notebook, would they know what your task was? Did you accurately describe what you're doing?
 - c. It's okay to dislike completing a task or to suggest improvements to a task. As long as you are gracious, we will always listen to your suggestions. Continuous improvement is one of the ethe of the EngiNERDs!
4. Discuss the following, using COMPLETE SENTENCES:
 - a. Which event did you attend? Where was it located?
 - b. Which Team are you on?
 - c. What was your Team's Win-Loss-Tie Record?
 - d. Did your Team win any awards?
 - e. At least one PLUS - something positive that had a positive impact on you personally, or something that you did that made a positive impact on your Team or someone else at the competition
 - f. At least one DELTA - NOT necessarily a bad thing, but something you personally have control over and can CHANGE for future events.
 - g. Other important matters of interest.
 - h. Before turning in your entry online, do a Peer Review, and answer the following questions:
 - i. Who completed the Peer Review of your entry?
 - ii. What changes did you make because of their guidance?
 - iii. What is the most valuable thing you learned during your peer review?

To Complete Your Challenge and Sign-Off on your Deliverables:

1. Ensure that your Engineering Notebook entry is done, and all questions are answered USING COMPLETE SENTENCES
2. PEER REVIEW - Ask one of your VEX Team Captains or a Veteran Student to look over your DIGITAL Entry. Discuss any reasonable changes that need to be made, and update your entry as necessary.
3. Upload your Deliverables to Google Classroom and Submit.