



Grand Blanc High School Robotics Team



Initial Member Deliverables – Scouting Challenge – VEX Event

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Mentors to ask if you have questions about this Challenge: Brandi Bolinger or Clinton Bolinger

IMPORTANT NOTE: This challenge may only be completed at/after an event that you attend. You should read the instructions for this challenge BEFORE the event. You may not use information from others who attend(ed) this event to complete your deliverable.

Gather the following Materials:

1. Event Team List – available on the Event Page (included in event agenda on the Team's VEX site)
2. Your Engineering Notebook
3. Writing Utensils, and possibly a clip board

Before Starting this Challenge:

1. Visit some Team's pits and observe their robot, work space, and general operation of the Team, and take notes in your Engineering Notebook as you go along. You may speak with Team members and ask questions, but please avoid prohibiting Team members from completing their work.
2. Watch Teams perform on the field during qualification matches, and make observations in your Engineering Notebook about how their *strategy* is *dictated by* their robot's *design*.
3. Learn about the alliance selection process for VEX tournaments. You can ask a Veteran Student, or look it up online. Or both, both is best.

Challenge Instructions and Engineering Notebook Entry Instructions:

1. In your Engineering Notebook, create a "pick list" for the eliminations.
 - a. A Pick List should include a list of the Teams that you believe would be the best fit to be ON AN ALLIANCE with your Team's robot.
 - b. List should be in rank-order, based on who you would pick first, if you were given the opportunity to pick any team you'd like, and no one else could "steal" your pick.
 - c. A pick list for this event must include 16 Teams.
 - d. If you feel it necessary, you may create a "DO NOT PICK" list. Explain why, if this team selected you, you would rather DECLINE to form your own alliance or NOT PARTICIPATE in the event than play with them.
2. In your Engineering Notebook, give an explanation of why you selected the number one and number two Team on your list. What attributes about their Team, Robot and Strategy made you "pick" them?
3. During alliance selection:
 - a. Write down the Alliances that were selected (The Team numbers that were paired together) in your Engineering Notebook.
 - b. Did this play out like you expected? What surprised you?
 - c. Which alliance do you think is the strongest, and why?

To Complete Your Deliverable:

- Take your completed Engineering Notebook entry to Clinton or Brandi AT A TEAM MEETING YOU ATTEND to have your deliverables checklist validated. Do not ask to have your deliverable checked at the event.