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**Grand Blanc High School Robotics Team**  
**2015 Competition Deliverable**  
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 at the BEGINNING of the event. You may not use information from others who attended this event to complete your deliverable.*

Gather the following Materials:

1. Event Team List
2. Your Engineering Notebook
3. Writing Utensils

Before Starting this Challenge:

1. Visit each Team's pit 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 Clinton, Brandi, a Veteran Student, or look it up online.

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 VEX pick list will include a minimum of 16 Teams (in increments of 8), based on the number of Teams attending the event.
  - d. If there are less than 16 Teams attending the event, all Teams should be "on" your Pick List.
  - e. If you feel it necessary, you may create a "DO NOT PICK" list. Explain why, if you were selected by this team, you would rather 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 Challenge:

- Take your completed Engineering Notebook entry to Clinton or Brandi AT THE NEXT TEAM MEETING YOU ATTEND to have your deliverables checklist validated.