

(20 pts) Approx. 1 day

As our unit and quarter wrap-up, it’s important to take some time to reflect on the experience and what we all learned. Take some time to sit down and write a full page reflection on the process. If you need help thinking of things to write about, consider answering some of the questions listed in the reflection brainstorm below. Then, we need to finish cleaning up all our work spaces!

1. **Complete the Written Reflection:** It’s important to take some time to reflect on our successes and failures at the end of any long-term project. As a class, we spent 3 weeks last October learning how to build basic robot frames and getting them driving autonomously. We then spent another 3 weeks in January adding to those robots, building new attachments, and getting them driving in the driver-controlled “Tele-op” mode. We’re now wrapping up another two weeks of building challenges and competition. What worked? What didn’t?

For the end-of-unit reflection, YOU NEED TO WRITE A FULL PAGE REFLECTION on your robot, the building process, and what you’ve learned. If you need some help with ideas of what to write about, consider answering some of the questions below:

What about your autonomous program worked well?	What about your driver controlled program worked well?	What about your robot’s design did you like the most?
What about your autonomous program did not work?	What about your driver controlled program did not work?	What about your robot’s design did you not like?
What could have made your autonomous more successful?	What could have made your driver controlled more successful?	What would you build differently if you did all this again?

2. **Help with Robotics Cleanup:** We’ve made a huge mess of our robot room and the corresponding robot parts! We’ll spend the last day of the semester dismantling robots and sorting pieces. If we all pitch in, the entire job can be done in one day! Here you need to be helpful in class on that final day by doing the following:
  - a. You MUST make sure that your entire robot is 100% dismantled
  - b. You MUST make sure your robot cabinet is completely emptied out
  - c. You MUST help sort robot parts after your robot is dismantled
3. **Bonus Opportunity:** Looking for a chance to be more helpful or earn a little extra credit? Listen for announcements in class about our “Robot Sorting Party” and then come join us. You can earn up to 10pts extra credit for each hour you’re willing to help sort robot parts with us and help clean up.

Part 3: Tasks	10 points	9-5 points	4-0 points
 Complete Written Reflection	+ You wrote a full-page reflection on the entire FTC Robot process + Your comments are thoughtful and show that you understand the challenges of the process!	- Your response is not a full page - Your response shows that you do not really understand the process	- You did not write your response - Your response is significantly lacking
 Help with Robotics Cleanup!	+ You full participated in our final day of dismantling robots + You helped sort pieces when your robot was dismantled	- You were not helpful for the entire time during the robot dismantling time	- Your robot did not get fully dismantled.

 (+10pts/hr) Bonus Opportunity: Looking for a chance to help out Mr. Benshoof or to earn some small extra credit? Come to the extra “Robot Sorting Party”. Look for information during class time and join us to help sort robot parts!

