



## Grand Blanc High School Robotics Team

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### Advanced Level Deliverable SMART Goal Deliverable – Request for Action or Withdraw

Clinton Bolinger  
cbolinger@gmail.com  
810.394.3273

Brandi Bolinger  
bbolinger@gmail.com  
248.249.1983

Mentor(s) to ask if you have questions about this Challenge: Clinton Bolinger or Brandi Bolinger

*NOTE: You must complete the SMART Goal Identification and Proposal, and have your Engineering Notebook Entry approved before starting this Deliverable.*

#### Challenge Instructions and Restrictions:

1. Sustainability of the FRC Team is one of our main goals, and it cannot be achieved without the help of each person. New ideas are the cornerstone of CHANGE and CONTINUOUS IMPROVEMENT.
2. This deliverable is opinion-based, so you will be judged on the quality of your work, level of seriousness and dedication to the Team's wellbeing when approaching the problem.
3. Students may not represent the Team, or contact any organization or business on behalf of the Team during the course of this deliverable without the expressed written permission of the Team's Head Mentors. Infractions will be dealt with very seriously, up to and including termination from the Team.
4. Students may not attempt to implement any type of solution without the expressed written permission of the Team's Head Mentors.
5. Students may not gain access to Premier Tooling Systems outside of the designated Team Meeting schedule without permission from the Team's Head Mentors.
6. Students may do research into availability, pricing, and budgeting of required resources required for action and implementation, but may not make or initiate any purchases on behalf of the Team. Students and/or their families will not be reimbursed for any purchases that are made in conjunction with this Deliverable, unless they have received written permission of the Team's Head Mentors.



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#### Engineering Notebook Entry Instructions:

*Your responses do not need to be lengthy, but you need to write legibly and use complete sentences. Bullets may be used as a form of response for lists, as long as each section is aptly labeled.*

1. Now that you have identified a Delta within the Status Quo, created a Proposal for your Solution, it's time to decide whether or not you want to TAKE ACTION and implement your solution.
2. In your Engineering Notebook, discuss the following items:
  - a. After identifying the Delta, completing research, and writing a proposal for a solution, do you *still* believe the need is significant and impactful to the current and future sustainability of the Team? Why or why not?
  - b. If your solution requires funding, is your solution financially viable and sustainable? Why or why not? Where are the funds coming from?
  - c. Do you believe that your solution should be implemented according to your proposal?
  - d. If you answered “yes” to Question 3c:
    - i. Do you believe you are the “best” person to implement this solution?
    - ii. If you do not plan to be the one to implement the solution, then who should?
    - iii. When should implementation begin?
    - iv. What steps should you take to begin implementation of your solution?
  - e. If you answered “no” to Question 3c:
    - i. Why do you believe that your solution should NOT be implemented?
    - ii. What changes would you propose to your original solution that would make it more applicable to the NEED that you originally identified?

#### To Complete Your Challenge:

1. Ensure that your Engineering Notebook entry is complete.
2. Find one of the Mentors listed on this deliverable and present him/her with your Engineering Notebook to inspect your completed work.
3. Ask one of the Mentors listed on this deliverable to approve your Engineering Notebook entry and have your deliverables checklist validated.
4. Leave your workspace cleaner than it was when you found it.

NOTE: After you've completed this Deliverable, it's UP TO YOU to create change. If Clinton and Brandi think your idea will help the Team, then you have the power to see it through. We will use your proposal, work together, and come up with a way to make things happen. We hope that you, too, will choose to make a commitment to continuous improvement so Team 2337 can inspire others, redefine the norm, design innovative solutions and create CHANGE.