



Grand Blanc High School Robotics Team



Advanced Member Deliverables Mentoring a FIRST Year Student on Deliverables

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Mentor(s) to ask if you have questions about, and can sign off on this Challenge: Brandi Bolinger, Clinton Bolinger, or Cathy Fillwock

IMPORTANT NOTE:

Advanced-level Deliverables are more qualitative than quantitative. There is no way for us to “measure” your impact on a new Student, so please do your best to inspire them! Here’s some important information to consider:

What you need to know:

1. YOU are the face and voice of our Team. Our membership sustainability **STRONGLY** depends on you including new people, and making sure they feel welcome and encouraged.
2. Familiarize yourself with the “Recommended Completion Schedule” for NEW members:
 - a. This schedule is **HIGHLY** recommended to keep new Students on task and help manage resources. We have had problems in the past with materials management, so this is what your Mentor group came up with as a solution.
 - b. The Schedule is on the VEX website. Please familiarize yourself with it, and know your Team’s featured Deliverable for every month. Note that some months have more than one featured Deliverable.
 - c. New Students may still work on Deliverables in any order, but we have recommended a schedule for them, that offers a “featured” Deliverable each month, based on which Team they hold membership.
 - d. **Please make sure that you UNDERSTAND and COMMUNICATE that new Students CAN work on any Deliverable, in ANY order, but materials use priority goes to the Team whose featured Deliverable is happening that month.**
 - e. If a Student you are assisting wants to do a Deliverable that is currently featured for another Team, GO WITH THEM to ask the Captain of that Team if they plan to use the materials for that meeting. If not, then the Student can use it.
3. What **MENTORING** means:
 - a. Take them under your wing, be kind to them! Show them the ropes!
 - b. **HELP** them with their Deliverables. **DO NOT DO IT FOR THEM.**
 - c. Help them understand the directions and clarify any questions they have **BEFORE** they go to a Mentor,
 - d. Encourage them to come to meetings, finish their Deliverables and apply for membership on the FRC Team,
 - e. Make sure they’re on the Alpha Slack, and communicate with them regularly,
 - f. Encourage them to come to our off-season events
4. **Please READ, UNDERSTAND, and COMMUNICATE the process for eligibility on the FRC Team:**
Students who do not complete Deliverables, or choose not to apply for membership on the FRC Team are encouraged to:
 - a. Maintain membership and compete on a VEX Team. The VEX season will continue through the State Championship in April (if qualified),
 - b. Complete the Deliverables Training and Engineering Notebook entries, and submit a completed notebook any time after the deadline, for consideration on a future FRC Robotics Team.
 - c. Attend and take part in all FRC meetings and learn as much as possible!
 - d. Attend all FRC and VEX events during the season (under the supervision of their parent/guardian). This means their parents can bring them, but they won’t travel with or stay with the Team at hotels, or be excused from school for events.



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Instructions for Completing this Deliverable:

1. Choose a Student, or group of Students on your VEX Team that you'd like to mentor. This must be a Student(s) that are completing their Initial Level Deliverables, who have not submitted an approved Engineering Notebook.
2. Choose a Deliverable, or multiple Deliverables to work with the Student(s) on throughout its completion:
 1. When selecting the Deliverable(s) to help them with, ensure that you have ample knowledge and skills to TEACH them "tips and tricks" of the sub-section, and can answer questions that they may have.
 2. Read the Training Instructions for the Deliverable BEFORE you begin work with them. Know what is expected of the training AND the Engineering Notebook entry, bearing in mind that the instructions may have changed since YOU completed that training.
3. Help new Students with the NEW materials check-out and check-in procedure (especially those completing their first Deliverable Training):
 1. Familiarize yourself with the online check-out and check-in process. We no longer have the notebook log.
 2. Help them know where to go and what to get from the Conference Room for their training.
 3. Help them find other materials that are required for the Training, but not included in the kit.
 4. If the Student needs to ask another VEX Team to use materials, GO WITH THEM to check it out.
4. Work WITH THEM on the Deliverables:
 1. You don't need to be there, over their shoulder, every step of the way, but you DO need to be available to answer questions and guide them down the right path.
 2. Help them during the training process. Be a guide, a teacher, and a friend. **DO NOT DO IT FOR THEM.**
 3. If you see your mentee doing something incorrectly, graciously offer to explain or demonstrate how to correctly complete the task. **DO NOT DO IT FOR THEM.**
 4. If you see the new Student getting frustrated or discouraged, help them!
 5. Review and suggest improvements to their Engineering Notebook entries BEFORE they take it to a Mentor.
5. Your Engineering Notebook Entry:
 1. This entry should read more like a journal entry or Captain's Log about what YOU did to mentor, than a technical entry describing what the Student you are mentoring did.
 2. This documentation should reflect what YOU *learned* from *teaching*. How did mentoring another Student inspire you? Did you enjoy the experience of mentoring?
 3. Your Engineering Notebook documentation may (and probably will) take place over multiple entries. Be sure to keep a record of the page numbers for this Deliverable in your table of contents.
 4. There is no designated due date for this Deliverable, you may turn it in at any time, but please don't wait until the deadline of November 27th to ask to get it approved.