WELCOME TO BODY FORWARD!

WEEK 2 - If your team is on track:

Robot Game:

1. PROTOTYPE: Your team is busy creating your prototype for your basic robot chassis. You might be ready to **TEST** your prototype. Load very simple programs into your robot and test to see if your robot can move in a straight line; stays together tightly when it moves over rough terrain; can travel up inclines; can maneuver (turn radius). Test multiple times for each area. If the robot meets these basic requirements, you are ready to move forward; if not, go back and rework that chassis.
2. Strategy: Decide on your first mission. You might be able to combine missions together in a single robot outing. Begin working on this task first. Many teams get into trouble if they try to do too many things all at once. *Focus on the mission(s) that your team believes will be the simplest, easiest for you to get.*
3. Programming: The programming team should be working on building the program for that first mission.
4. Building: Once the prototype is complete, your building team should be working on the first attachment for that first mission.
5. Plan ahead, but don't move forward until your first mission is successful most of the time. *Test repeatedly before you move on. Some teams do not finalize a mission until they can run the mission successfully five times (or for others, ten times) in a row.*

Project:

1. **Research:** By the time you complete this week, your team should have a **TOPIC.** That does not mean that you have a solution. The team members should now explore the topic in more depth. Each team member should bring solution ideas to the next meeting.
2. **Field Trip:** Your team may consider talking to some experts or visiting a place where there are biomedical engineers. These folks can often give you great ideas about what is going on in the field or excite you about the solutions that they may be working on.

Teamwork (In Ohio, we will now refer to this area as Core Values):

1. Your team should begin setting aside time at each meeting to complete a **TEAMWORK ACTIVITY.** Not only is this a fun way to take a break from the hard work, but your team can practice working through a challenge. After the activity, process what happened as a team. Could you have done better? If so, how? Could every team member's ideas been incorporated better? Did some members dominate the process? Did other members choose not to participate? By evaluating what you did right and what you could do better, you learn to become a more effective, cohesive group. You can find a lot of teamwork activity ideas by searching on the web. You can begin by checking out the "Teamwork Links" provided on our own, Ohio FLL website

GOOD LUCK AS YOU MOVE FORWARD THROUGH WEEK 3…