THE GOONIES

8777 - Brownstown Middle School

Basic Information Sheet

- The FTC (First Tech Challenge) season runs from the second week of school until early December.

- Practice for the Goonies is typically twice a week for 2 hours each session. During competition weeks the team typically practices daily for 2 hours. These practices usually run directly after school with the students being bused to the robotics shop at the WUE.

- Students have many opportunities in robotics, many of which overlap
    - Coding – During a FTC robot match, there are two portions, Autonomous and Driver Operated. Students are responsible for writing the code to allow the robot to complete tasks autonomously during the Autonomous portion. Student are also responsible for programming the controllers to control the robot used by the drivers during the Driver Operated portion. Code may need to be changed on the spot during a competition.
    - Build team – The robot needs to be built from the ground up to fit certain dimensions and complete the task at hand. Students will also need to set up the practice field in their shop.
    - Drive team – This consists of a Driver (moves the robot in various directions), an Operator (operates the arm or whatever tool the robot has to complete the task), a Drive Coach (during the matches the drive coach makes the calls about what needs to be done), and Human Player (every alliance needs one human player that interacts with the field). The Drive team runs the robot during the competition and must participate in the Drive Team meetings.
    - Pit Crew – Insures the robot is in working order (screws tightening, everything plugged in, etc) during competitions. The robot needs to be checked out before and after every match.
    - Scouting – Scouts watch other teams compete to find their strengths and what they can offer to the alliance. Interacts with other teams.
    - Engineering Notebook – The team works together to create a notebook that tracks everything that they do during the process of building and practicing with the robot.

    - Slideshow – The team needs a slideshow that introduces the team and talks about the process of creating their robot.

- During practices every member of the team is expected to contribute. Everyone has input and can share ideas about every aspect of competing.

- The Goonies typically compete in 2 qualifier events during the month of November.

- If the team makes it to States, that typically is a 2 day event (Saturday and Sunday) in early to mid December.