

Bedford Robotics - FTC Kickoff 2022/2023

FIRST Tech Challenge - Power Play - presented by Raytheon Technologies

Season Launch - Saturday, September 10

Training Breakout Rooms:

Teams will rotate through each of the breakout sessions as a group. Students coaches and mentors can ask questions and gather helpful information to be used during the season. Each breakout session will last 25-minutes.

- 10:00-10:25 am
- 10:30-10:55 am
- 11:00-11:25 am
- 11:30-11:55 am
- Noon - FIRST Kickoff Live Stream
- 1:00 - 3:00 pm Field Inspection/measurement and individual team meetings

Programming - FTC Blocks programming

- Autonomous period
- Driver operated period
- Creating routines
 - Drive forward/backward
 - Turning left/right
- Using sensors
- Using encoders

Engineering Portfolio and Judges Presentation

- Format
- Requirements
- Recommendations

Strategy

- Scoring breakdown - Autonomous/Tele-op/End game
 - Where can you score the most points
 - Can you determine a max score
- Pit Scouting/Match Scouting
- Pre-match strategy
- Selecting alliance partners

Robot Design

- Prioritizing your design
 - Any functions required in all/multiple game periods?
 - Where can you score the most points
 - Get a system working well before shifting focus to a second feature
 - Best scoring function
 - Next best.....
- Game analysis
 - Selecting a drive system
 - Choosing the size of the robot
 - How many scoring elements can you hold
- Active vs Passive intake systems