Scouting, Scoring, and Sharing Data in FTC

12589 Pioneer Robotics

What is a Scouting System?

- Analyze the match performance of other teams
  - Attend Matches with a Scouting Team

- Collect and Share Data
  - Have a method to collect desired data

What's the Purpose of a Scouting System?

- Match Preparations
    - Strategy

- Alliance Selection
    - Choosing a compatible partner
    - The best team is not necessarily the best partner

How to Develop a Scouting System

- What information are you looking to collect and use?
    - What does your robot do?
    - What kind of robot will complement yours?

- Who will comprise the Scouting Team?
    - Train members with pre-recorded matches.
    - Study Game Manual + Forums.
    - Use a scouting sheet.

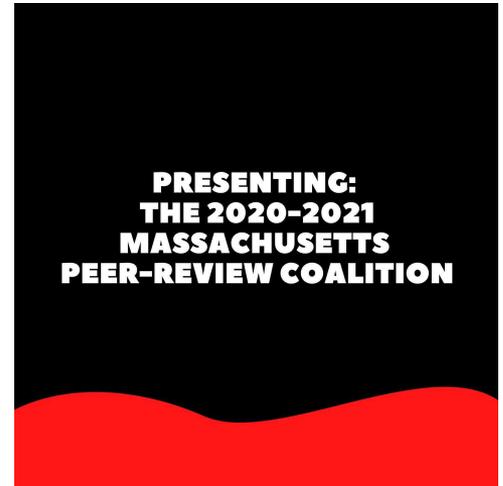# For Example: Ultimate Goal

Obviously, with the remote competition this year, collecting information isn't as large a priority, but it's important to learn these skills to effectively score your matches this year and use this experience in the future.

For example, you can create a Google Form or a printed chart to track how many rings a robot scores, or how accurately they hit the Power Shot Targets. You can track how consistent an autonomous program is and which aspects of autonomous a team is strong at.

Peer-Review Coalition

This year, instead of creating a scouting system, we created a Coalition of teams based in Massachusetts that work together to review remote matches and assist each other in scoring. It's a very similar process, and there's a lot to learn from other teams every year, so this Peer-Review Coalition is a great way of maintaining the connections of a FIRST competition while remote.

If anyone is interested in joining, let us know!

PRESENTING:
THE 2020-2021
MASSACHUSETTS
PEER-REVIEW COALITION

Making It Work

- Finally, once you've set up a team of scouters, created a way for you to record data, figured out what you want to scout and how, all you have to do is practice!
- When scouting matches, it may be helpful to have someone in charge of organization. They'll distribute scouting sheets, collect information, and relay any information you need.

Q&A Session!