

SCOUTING

Scouting is an important tool you can use to determine how well each team (including yours!) is performing. Scouting in *FIRST*® Robotics Competition is having your team gather data about what every robot did during the competition. This data can help your team determine match strategy during qualification matches and help you create your pick list. Scouting forms can be paper, or you can have an electronic version (Google form, or even an app). Their goal is to make them as easy as possible for scouts to fill out. Scouting during competition requires students and mentors to be focused purely on the competition. If you are a new team, consider reaching out to experienced teams about scouting.

SCOUTING REQUIREMENTS

- ❑ Go through this workbook and its questions with your team.
- ❑ This worksheet includes the **following sections**:

01. Preliminary Decisions
02. Example Scouting Sheet
03. Pick List Creation
04. How To Get Picked

01 PRELIMINARY DECISIONS

DISCUSSION

Discuss the following questions with your team.

1. How many scouts can you allocate during competition? Who is scouting in the pit? who is scouting matches?

2. What are the different actions a robot can perform? What is each action's point value?

3. List out the important metrics for other teams to have, and accomplish during the different stages of the game (auto, teleop, endgame)?

02 EXAMPLE SCOUTING SHEET

This is an example scouting sheet. Use this sheet to gather data about every robot during the competition. Sections can be added or deleted based on the game or what your team is looking to capture.

Team #: (Red or Blue) **Match #**

Starting Position: Left / Middle / Right

Auto:

Moved / Didn't Move/ _____

Game Pieces Scored _____

Teleop:

Game Pieces Scored _____

Defense: Yes / No

Endgame:

Game Pieces Scored _____

Park: Yes / No Climb: Yes / No

Any Notes(Were there any issues with the robot):

03 PICK LIST CREATION



DISCUSSION

If you are in position to be an alliance captain, discuss these questions during a Scouting Meeting. These meetings should take place the night before playoff matches.

1. Try to predict the alliances you will face in the playoffs.

2. What types of robots do you want on your alliance?

3. Come up with your ranking list based on scouting data and the previous 2 questions. Be sure to have your lead scouts and drive team weigh in.

04 HOW TO GET PICKED



DISCUSSION

If your team is in position to be picked, discuss the following questions during a Scouting Meeting.

1. What could make you stand out on another team's picklist?

2. What can you show during remaining matches to stand out?

3. How does your match schedule fit with working with other teams? Can you show features of your robot during these matches?
