The Basics of Scouting

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What is Scouting?

→ **Purpose:** To gain an understanding of what other Teams are capable of

→ **Data Collection**
- ◆ Data Sources
- ◆ Measures

→ **Data Analysis**
- ◆ Match Strategy
- ◆ "Pick List"

Data Collection

→ **Purpose:** To collect data and information on the performance and abilities of other Teams

→ Data Sources
- ◆ Match Scouting
- ◆ Pit Scouting
- ◆ The Blue Alliance

→ Measures
- ◆ Quantitative
- ◆ Qualitative
- ◆ Cooperation

Data Analysis

→ **Purpose: To use collected data on other Teams to improve your Team's decision-making**

→ **Match Strategy**
- ◆ **Robot adaptations**
- ◆ **Score prediction**
- ◆ **Counter-play & Chokeholds**

→ **"Pick List"**
- ◆ **Alliance Selection rankings**
- ◆ **Best-fit Teams**

Team Resources

→ Determine your Team's available resources before deciding how your Team should approach Scouting

→ Team members
- ◆ Number of available Students and Mentors
- ◆ Experience
- ◆ Time investment

→ Scouting equipment/Technology
- ◆ Money
- ◆ Convenience

Sample Methods

→ **Ranking Method**
- ◆ Track overall relative performance of Teams
- ◆ Simple & effective
- ◆ Resource efficient

→ **Worksheet Method**
- ◆ Track type and amount of match activity of Teams
- ◆ More complex
- ◆ Larger variety of data measures

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