Kickoff Strategy Groups

**Objective: Read & discuss rules for the game challenge.**

Morning questions to answer:

**Tournament Focus:**

* How does tournament ranking work?
* How do we score ranking points?
* How do you win a match? Is that important?
* Is there a difference in scoring during different parts of the match?

**Gameplay Focus:**

* What are the different ways to score points?
* Is there an autonomous mode?
  + What auto points can be scored?
  + Any tactical advantages to be gained?
* Is there an end game task?
  + What end game points can be scored?
  + Any tactical advantages to be gained?
* What ways can you score points during the match?
* What ways can you get a tactical advantage during the match?
* What actions are specifically disallowed?

**Field Focus:**

* How many game pieces on the field? Will they be a limiting factor or plenty?
* What kind of game piece qualities might be a concern? (size, shape, weight?)
* How many scoring locations?
* How far do you have to transport game pieces?
* Any terrain on the field?

**Robot Focus:**

* Any restrictions on robot size, weight?
* What are the limitations on scoring configuration? Configuration during the match?

Afternoon questions to answer:

**Tasks:**

1. What tasks can be done that will score points?
2. What tasks can be done that will lose points?
3. What tasks can be done that will provide a strategic advantage?
4. What tasks look the easiest to do?
5. What tasks look the hardest to do?

**Robot:**

1. What robot features are required to do the above tasks?
2. What robot features are desirable to complete the robot tasks?

**Scoring:**

1. What do you think the average score in a match will be and why?
2. What do you think the high score will be and why?
3. What will the #1 team in the world do in auto mode?
4. What will the #1 team in Indiana do in auto mode?

*Homework and tasks for Monday:*

* Are there any other games (FRC, FTC, VEX, etc.) or real world robot examples (for trucks, industrial manufacturing) that are similar to the tasks we need to do in the game?
* How did the best robots in the world for these games or tasks accomplish the task?
* What made them better than the rest?
* What is the community talking about?