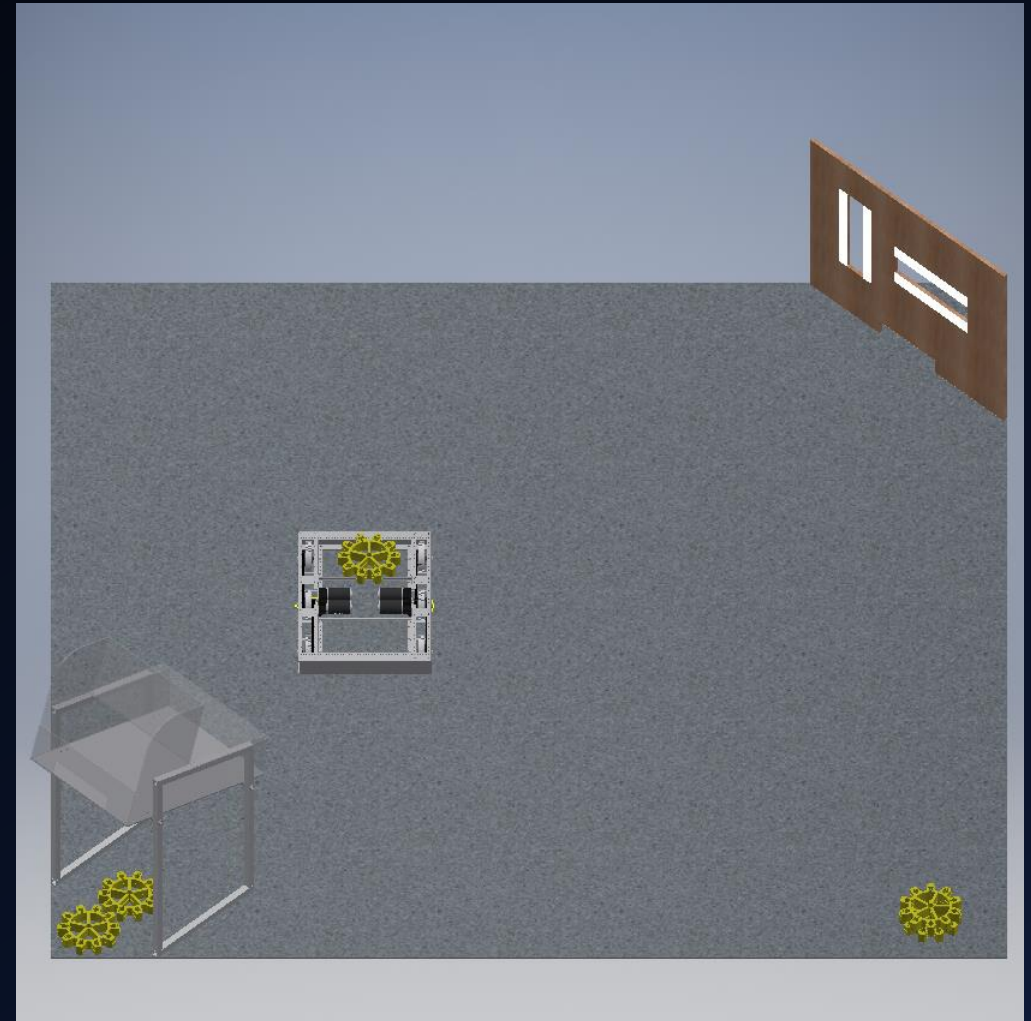


# Power PREP

FRC3941 Fall Mini Challenge

# Your Challenge

- You must design a ROBOT to start a GAME MACHINE by depositing COINS in SLOTS
- COINS may be found on the floor or be fed through a PLAYER STATION
- SLOTS are worth different POINT values
- The CHALLENGE will be composed of a 15 second AUTONOMOUS PERIOD and a 135 second TELEOPERATED PERIOD
- ROBOTS may PRELOAD one COIN before the match



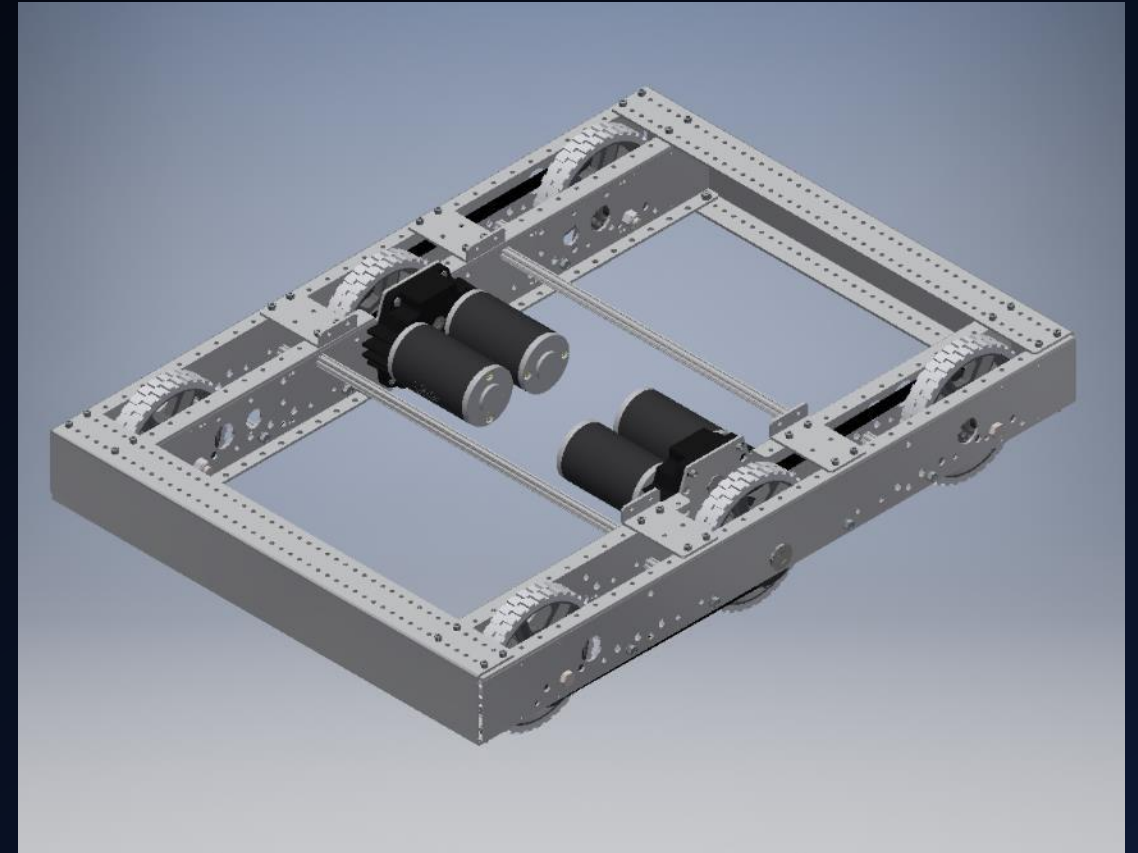
# Scoring POINTS



- The VERTICAL SLOT is worth 50 points for each COIN deposited
- The HIGH SLOT is worth 25 POINTS for each COIN deposited
- The LOW SLOT is worth 5 POINTS for each COIN deposited
- During AUTONOMOUS, POINT values are tripled
- RETROREFLECTIVE TAPE has been applied to assist ROBOTS in scoring POINTS
- The GAME needs 100 POINTS minimum to START UP
  - Every 50 points after START UP grants one RANKING POINT

# ROBOT Design

- You have approximately ten Tuesdays in the pre-season left
  - It is suggested you keep robot designs fairly simple or you may not complete!
- Start with a KITBOT, and add MANIPULATORS as desired
- ROBOTS must comply with all 2017 ROBOT RULES



# Any Questions?

## **Bonus Incentive:**

For every POINT you score in the final round, your mentors will donate \$1 to the general TEAM FUND