

**JESSE**

## **INTRODUCTIONS**

### **AFTER ISAIAH**

Hello, I'm Jesse, I like to see the robot and work on it. I enjoy making jokes and didn't let a practice run go by without a joke in between.

### **ABIGAIL TURNS POSTER AFTER JESSE FINISHES INTRODUCTION**

## **PROJECT SPARK**

### **AFTER ABIGAIL**

The main fuel isn't kept inside the generator, but rather in a reservoir waiting to be pumped into the generator only if it is good & when it is needed.

The readings of the health of the fuel are sent to an app where it notifies the managers or owners of the fuel condition based on the settings they choose. The app can even automatically order more fuel, turn on the pump and filter, and dispense additives.

The engineers requested the following be added to the app:

- Fuel burn rate
- building load
- fuel additive information
- and last fuel order

We have gone through many revisions and discovered in our research and presentations that we could improve our design and added functions to the original model. This increased the performance and data that was given back to managers and owners within the app in real-time.

### **LEVI TURNS POSTER AFTER ELIJAH ASKS IF THE JUDGES HAVE QUESTIONS & THEY FINISH ASKING QUESTIONS.**

## **ROBOT DESIGN**

### **AFTER ISAIAH**

We add the gyro sensor because our turning wasn't accurate. On some of the missions, we learned that it was a problem.

## **MISSION STRATEGIST**

### **AFTER LEVI**

For example

If you didn't know a motor could only spin clockwise or counterclockwise from the direction it was attached to the robot, then you couldn't build an attachment that turned the way you wanted it to.

### **JESSE TURNS POSTER AFTER MAGGIE SAYS...built a new attachment that does 2 missions.**

## **CODING:**

### **AFTER MAGGIE**

We got to a point in our meetings where we just ran the same missions over and over and over and over again. This allowed us to see any inconsistencies and fix them

## **CORE VALUES**

### **AFTER ISAIAH**

Fun- Having a great time!

### **FRUIT OF THE SPIRIT**

#### **AFTER ELIJAH**

Self Control

### **ABOUT OUR TEAM**

#### **AFTER ISAIAH**

My grandfather LOVED legos & had many collections. I want to continue his legacy of building, and creating. I know that every time I build with legos I feel close to him.

#### **AFTER ELIJAH & JESSICA SAY D A**

BOTTS!