

JESSICA

INTRODUCTIONS

1ST

Hello, we are 55977 DA Botts from Bell County. We didn't initially start in the roles we are in now, we all were able to try out every role. Our meetings were organized with ½ the meeting time discovering energy solutions and the other ½ the time working on the robot and robot game. My name is Jessica, I was nominated Team Captain because I was told I'm a natural leader and people tend to listen to me.

ABIGAIL TURNS POSTER AFTER JESSE FINISHES INTRODUCTION

PROJECT SPARK

AFTER LEVI

Our dad experienced this at the hospital where he works when there was an accident. The equipment malfunction prohibited the building from receiving power from the grid.

We looked at the effects of power loss at a hospital and why generators are so important:

- Surgeons losing power in the middle of surgery
 - Breathing equipment failing
 - Health and heart monitoring systems failing
 - Power to fridges, freezer, and morgues failing that keep
 - Organ tissue transplants
 - Medicines
 - Cultures
 - Blood
 - and more
 - Heat & Cooling going out
 - People getting stuck in elevators
- All of which could lead to people dying

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

ROBOT DESIGN

AFTER ELIJAH

We started out with pneumatic wheels, but soon realized they weren't consistent. We switched to tires that didn't have any air in them and found that they were much better for our team. We also didn't originally realize the pins & pieces were color coded to either allow movement or provide more stability. We had to switch out all the pins in this arm (hold up arm on robot) from grey to black to make it stronger and more stable.

MISSION STRATEGIST

AFTER ELIJAH

Strategizing isn't always easy. You come up with an idea about how to do a mission, then you need to communicate to the builder and the coder to have it all come together. It doesn't always work the first time, second, or even third time.

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

CODING:

AFTER ELIJAH

Then we learned about loops and time. Sometimes you need to have a motor or move tank wait or pause for a set amount of time and repeating things with a loop is easier than writing the same code again and again adjusting the timing for each. Instead, when it's a loop we only have to edit one loop.

AFTER HANNAH

This also helped us to see who naturally worked well with who under pressure and this formed the sets that we will play today.

Jessica Says Round 1 & they step forward:

Round 1

Blue side:

Jesse & Levi

Red side:

Jessica & Isaiah

Jessica Says Round 2 & they step forward:

Round 2

Blue side:

Hannah & Abigail

Red side:

Elijah & Maggie

Jessica Says Round 3 we will decide which team will run again after seeing what happened with the other 2 rounds. Do you have any questions?

CORE VALUES

AFTER ELIJAH

Values - Something Important

FRUIT OF THE SPIRIT

AFTER LEVI

Peace

ABOUT OUR TEAM

AFTER ELIJAH

We would also compromise, if one wanted to do 1 mission & another person wanted to do a different 1 we would do a little of both.

AFTER JESSE says about his grandfather & ELIJAH SAY D

A BOTTIS!