



Recycle-Bot Challenge The Cereal Dispenser

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Our Idea



What we made and what we planned to do for this project was a robot that would be able to dispense cereal into a bowl. We thought it would be cool to make a robot that could serve us food to where we could have it easy and have a nice enjoyable breakfast! We used a Keurig Coffee machine as our inspiration for the dispenser and how the robot would look. The Materials that we used to complete the project were...

- Cardboard
- Paint
- Tape

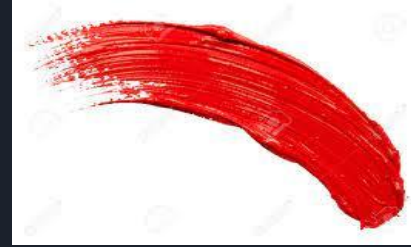
Making the Robot



For starters, we got a big enough box and a long box to make sure we can fit everything that we needed on top of the cardboard. Next, we got the foldable sides of the cardboard and started rolling them to make a tube shape cardboard piece, this would act as our dispenser. Then, we got a small box to where the dispenser could attach to. Lastly, we got a bigger box to act as the “component room” where all the electronic pieces would be to dispense to cereal, this is also where the cereal would be placed before dispensed.



Painting



After the robot was completed and had everything that it needed, we decided to paint some of the robot red so it wasn't just all white tape and brown cardboard. Also, we felt as if the robot would look “boring” without any color.



The Hurdles



Completing this project was not very easy. One of the main problems was that the tape wouldn't stick and we would have to use more tape to make sure the robot wouldn't disassemble overnight or through the day when we were not working on it. The second problem we encountered that ties with the first problem was that the tape needed to be evenly spread out over the cardboard to where the parts wouldn't look lopsided and to where it was even. The last problem we had was that we needed to find the right cardboard and make sure it was well shaped to make things look like a dispenser and make it the right shape for the base.

Pictures of the Robot

