

# Tipping Point

Team 7700E

Rolling Robots, Rolling Hills Estates, CA

Video Link: <https://youtu.be/30nNNtSmZUg>

On the distant planet E-7700, where the sun is hot enough to melt the skin off of your body, humans have discovered a valuable metal scattered about the surface that allows for very durable robots. People use robots to gather this metal which is scattered on the surface during the night as it is too cold for humans. The robots put the metal into buckets to hold the metal, making processing easier.

Two rival companies dispatch their robots during the night, both fighting for as much metal as they can get. It is impossible to see anything for the first couple hours of the night, so the companies use a pre-programmed routine (auton) to get to an area the controllers know well, picking up metal (rings) and bins (mobile goals) along the way. The 2 companies have established home zones and bins and the metal in them in the companies homezones gives the company money (points). The company's robots can also put the bins or the robot on their headquarters (platform) for more points. The headquarters are platforms that allow for fast collection of the bins and robots, saving money. The companies also agree to put out 3 neutral bins (neutral goals) that either company can use but only scores for the side they are on. The companies also have 2 of their bins (alliance goals) that the other company is not allowed to take the metal out of.

One night, the president of this planet declares that only one company can stay on this planet due to the constant fighting for the chance to be the one and only robot company. The fights have escalated greatly causing robberies to occur even more so the president demands the competition to begin at once.

At night, the two companies battle for the most metal. On the other side of the planet, Ronojoy's Technicians are given a challenge from The Holy Sheep, and they accept. During the same night that Christiana's Robots and Benjamaica's Microwave face-off, Ronojoy's Technicians and The Holy Cow face off on the

other side of the planet. Ronojoy's Technicians crush the ill-prepared Holy Cow, moving one step closer to owning the planet. Little do they know, Christiana's Robots has removed three more companies, the Appendixes, Appendix A, Appendix B, and the most feared company on the entire planet, 62x.

For Ronojoy's Technicians final match before they challenge Christiana's Robots, They Challenge The Dairy Queeners well known as the DQs. The Dairy Queeners fight hard. Unfortunately for the Dairy Queeners though, Ronojoy's Technicians have an eight motor drive and lots of amped-up pneumatics.

The Dairy Queeners don't stand a chance when Ronojoy's Technicians get to the metal. Ronojoy's Technicians controllers can relax as they drive their robots, picking up the metal. Ronojoy's Technicians crush The Dairy Queeners and move on to face Christiana's Robots.

The companies meet for the ultimate showdown. On the day of the competition, the two companies are jittery with excitement and fear. Finally, the match begins. Both companies hit the go button on their auton, but then, Ronojoy's Technicians realize something is wrong. Their auton doesn't work. This means that the controllers will not be able to collect any metal for this portion of the night. Christiana's Robots get to the area first, bringing back 2 of the 3 neutral bins to their home base. Ronojoy's Technicians watch in despair as they begin to accept their sad fate.

Finally, after the first part of the night has passed, Ronojoy's Technicians get their robots to the metal area. One of the robots fends off Christiana's Robots, while the other gathers metal. As members of Ronojoy's Technicians realize they are short of a few metal pieces and all the metal is collected from the field, it's a game of capture the flag, one of the robots from Ronojoy's Technicians sneak around the side, capturing the buckets of metal from Christiana's Robots field area. Once Christiana's Robots realized what happened it was only too late. They take the buckets of metal back to the headquarters, getting all of the metal in the arena, just as the night ends.

The president of the planet declares Ronojoy's Technicians as the one and only robot company on the planet, who have shown themselves worthy of being the best robot company.

# Storyboard 1

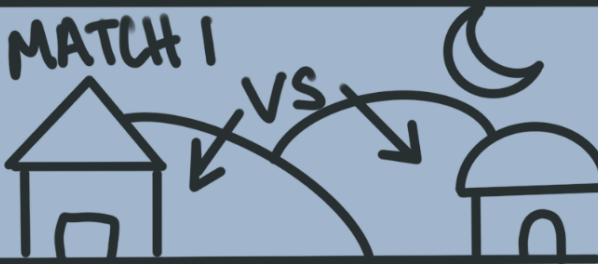
Oposing companies...



Robots



MATCH 1



MATCH 2



ADVANTAGE



BROKEN  
AUTON



FINAL MATCH



WINNER!



THE END!