

J.L Mann High School
3796H Lotso Gears

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Robotics VEX Theme it Up challenge

Story:

In a land far away, there were once 2 nations (the 4 teams 2 on each side) who were heavily reliant on robots to collect resources. The two nations worked in harmony for a time, gathering gold and increasing the wealth of both nations, each nation had created robots, with in a size of 18 ft by 18ft (Size constraint), as they found that anything bigger than this size would lead to huge problems transporting these robots. During this time each nation would secure bases by planting flags (Rollers) of their respective nations. But, alas, their harmony was not to last. (Referring to the first 15 second autonomous period). During this time Both nations agreed to not cross a broder (Autonomous Line), and if they did that nation would forfeit all value they had acquired during that time (Loss of Autonomous period). As their collective wealth grew, so too did their pride and greed. War was inevitable (The One minute 45 second driver control period). Certain areas of land had plentiful gold. However, these lands were dangerous as it was only safe to enter the land for 2 minutes before the robots got affected by a dangerous mist that could destroy them. Both Nations sent teams of two to these lands, who were tasked with the formidable task of retrieving as much gold as possible for their respective sides. These teams were highly skilled in the retrieval of gold and sending them to their respective vaults. Both nations had built elevated vaults (High goals) that were able to keep the gold out of reach from the enemy. However, due to the elevation of these vaults the Nations had to launch the gold (discs) using different mechanisms into their respective Secure Vaults (High Goals). The nations have placed lower, less secure vaults (Low goals) below opposing nations' high vaults to collect any gold that falls from the high vault or the opposing nation misses and ends up falling down. During the war the teams would try to secure as many bases as possible by planting their flag (Rollers) and capture opposing bases by changing the flag to their respective flag (Turning rollers to each respective teams' color). As the War raged on both nations were being exhausted, as they were spending more than they were collecting. Both nations started peace talks and in the final moments of the war (Last 10 seconds). As the end of the War approached each nation tried to secure as much land, rich with gold, as possible before the end of the war (Last 10 second horizontal expansion and covering each tile.). Each nation had built certain mechanisms that could cover the land (expansion). However, if one nation's mechanisms launched out of the warzone (field) that team was forced to forfeit its resources gained, as it could be seen as an act of aggression or war which could possibly continue the war. Which neither nation wanted so as to appease the other nation they would forfeit their resources (Disqualification for expanding outside of the field). The robots are only able to hold so many resources, and if they hold too much, they are forced to do everything in their power to get rid of the excess resources (3-disc maximum possession rule).