



CHANNELVIEW DISTRICT EVENT FIRST ROBOTICS COMPETITION

March 6 – 8, 2020 | Channelview High School



WELCOME

Welcome to the Channelview District Event. Like you, we are excited to see the robots that will compete in this year's game challenge *FIRST INFINITE RECHARGE!* Teams from TX and NM are competing in 13 district events throughout March to earn their spot at the District Championship in San Antonio. To all our sponsors, partners, volunteers, mentors, teachers, and parents: Thank you for your commitment, leadership, and support creating this outstanding opportunity for our students. To our students: Thank you for showing us how bright the future will be! Let the games begin!

Lucia Sevcik, FIRST in Texas
East Area Program Delivery Partner

SCHEDULE

FRIDAY MARCH 6
5:00 PM Team Load-In
Inspections
10:00 PM Pits Close



SATURDAY MARCH 7
8:00 AM Doors Open
Inspections
8:45 AM Practice Rounds
10:30 AM Opening Ceremonies
11:00 AM Qualification Matches
12:00 PM Lunch
1:00 PM Qualification Matches
8:00 PM Pits Close

SUNDAY MARCH 8
8:00 AM Doors Open
9:00 AM Opening Ceremonies
9:30 AM Qualification Matches
11:30 AM Alliance Selections
12:00 PM Lunch
1:00 PM Playoff Matches
4:15 PM Awards Ceremony
5:30 PM Pits Close

TEAMS

TEAM #	TEAM NAME	SCHOOL/ORGANIZATION	TEAM #	TEAM NAME	SCHOOL/ORGANIZATION
231	High Voltage	Pasadena ISD	5908	Spartans	Stafford H S
324	Chips	Clear Brook H S	5923	WildC.A.T.S.	Angleton H S
418	Purple Haze	Liberal Arts & Science Academy	6111	RoboKnights	Mickey Leland College Prep Academy
441	DEVIL DOGS	Heights H S	6645	Alloy Obsession	Crosby H S
1255	Blarglefish	Goose Creek CISD	7115	Red Lion Bots	Yates H S
2587	DiscoBots	Lamar H S & Carnegie-Vanguard H S	7312	T3	Tomball H S
2882	Nuts n' Boltz	Morton Ranch H S	7418	TechnoFalcons	Channelview H S
3103	Iron Plaid	Duchesne Academy	7494	Circuit Bizarzers	Dulles H S
3335	Cy-Borgs	Cypress Ranch H S	7616	Cerberus	Sweeny H S
4328	Furious Falcons	Randolph Foster H S	7691	Oakley	Tomball Star Academy
4587	Jersey Voltage	Jersey Village H S	8098	Wildkat Robotiks	Willis H S
4639	The RoboSpartans	Seven Lakes H S	8150	Tungsten	Westside H S
5070	Gearnotics	Houston Community Team	8210	Rambotics Inc.	Waltrip H S
5261	Cyber Shock	Summer Creek H S	8274	Raider Robotics	Sterling Aviation H S
5427	Steel Talons	Tompkins H S	8370	Paetow	Paetow H S
5829	AwtyBots	Awty International School	8371	Surgeons of Steel	Shepherd H S
5892	Energy HEROs	Energy Institute H S			

THANK YOU TO OUR EVENT SPONSORS

LEADER IN TECHNOLOGY |

CAPTAINS OF INNOVATION

| ROBOT BOOSTER | ROBOT EXPLORER



Special Thanks: Our Host - Channelview ISD | Judy Ley Allen | Hollaway Environmental

www.firstintexas.org / [@firstintexas](https://twitter.com/firstintexas) / [#INFINITERECHARGE](https://hashtage.com/#INFINITERECHARGE)

ABOUT FIRST & FIRST ROBOTICS COMPETITION

FIRST® is a robotics community that prepares young people for the future. The world's leading youth-serving nonprofit advancing STEM education outcomes, FIRST designs mentor-guided research and robotics programs for kids from pre-kindergarten through high school. Boosted by a global support system of mentors, coaches, volunteers, alumni, and sponsors, teams conduct research, fundraise, design, and build robots of their creation. For 30 years, students from all walks of life have developed self-confidence in STEM, meaningful friendships, and valuable, real-world skills through FIRST that open pathways and help young people build a better future.

FIRST is a progression of four programs:

- **FIRST LEGO League Jr.** (Grades K-4)
- **FIRST LEGO League** (Grades 4-8)
- **FIRST Tech Challenge** (Grades 7-12)
- **FIRST Robotics Competition** (Grades 9-12)



FIRST Robotics Competition teams compete with 120-pound robots of their own design, combining the excitement of sport with the rigors of science and technology.

Students, Ages 14-18 (Grades 9-12), get to:

- Work alongside professional engineers
- Build and compete with a robot
- Learn to use sophisticated hardware and software
- Develop design, project management, programming, teamwork, strategic thinking, and *Coopertition* skills
- Earn a place in the FIRST Championship
- Access exclusive scholarships from hundreds of colleges and universities

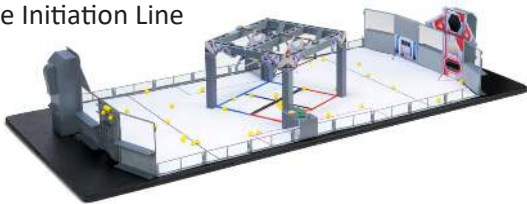
GAME DESCRIPTION: INFINITE RECHARGE

In **INFINITE RECHARGE** two alliances work to protect **FIRST** City from approaching asteroids caused by a distant space skirmish. Each alliance, along with their trusty droids, race to collect and score Power Cells in order to energize their Shield Generator for maximum protection. To activate sections of the Shield Generator, droids must manipulate their Control Panels after scoring a specific number of Power Cells. Near the end of the match, droids race to their Rendezvous Point to get their Shield Generator operational in order to protect the city.

:15 Autonomous:

Droids follow pre-programmed instructions and Alliances score points by:

- Scoring Power Cells in the Power Ports
- Moving from the Initiation Line



2:15 Driver-Controlled:

Drivers take control of droids & Alliances Score points by:

- Continuing to score Power Cells in Power Ports
- Completing Rotation Control task
- Completing Position Control task
- Hanging from the Generator Switch
- Getting the Generator Switch to the level position

The Alliance with the highest score at the end of the match wins!

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