



# GREENVILLE DISTRICT EVENT FIRST ROBOTICS COMPETITION

Feb 28 – March 1, 2020 | Greenville High School



## WELCOME

Prepare to protect *FIRST* City from an approaching asteroid strike at our *FIRST* in Texas Greenville District Event! 30 Texas teams will compete in INFINITE RECHARGE as they strive to win a blue banner and earn a spot at our District Championship event in San Antonio! Thank you for your generous gift of time and guidance to the youth of today who are destined to be the leaders of tomorrow. This event would not be possible without the support from sponsors, mentors, coaches, volunteers, teachers and parents!

**Rachel Moore**  
North Area Program Delivery Partner  
*FIRST* in Texas

## SCHEDULE

### FRIDAY FEBRUARY 28

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



### SATURDAY FEBRUARY 29

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 1

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
1296	Full Metal Jackers	Rockwall H S	5242	RoboCats	Woodrow Wilson H
2468	Team Appreciate	Westlake H S	5417	Eagle Robotics	Allen H S
2582	PantherBots	Lufkin H S	5892	Energy HEROs	Energy Institute H S
2687	Team Apprentice	Westlake H S	6321	R-Cubed Rouse Raider Robotics	Rouse H S
2714	BBQ	Dallas Community Team	6377	Howdy Bots	Austin Community Team
2805	Ghost in the Machine	Waxahachie ISD	6526	Cyber Rangers	Naaman Forest H S
2969	Aftermath	Sam Houston H S	6646	Belton Robotics Spacemakers	Belton H S
3005	RoboChargers	Conrad H S	6768	Denison Robot-Jackets	Denison H S
3037	LOBOTS	Longview H S	6901	Knights Robotics	Independence H S
3310	Black Hawk Robotics	Rockwall-Heath H S	7125	Tigerbotics	Glen Rose H S
4206	Robo Vikes	Nolan Catholic H S	7319	1UP	Gilbreath-Reed Career & Tech Center
4295	Hudson Robotics	Hudson H S	7534	Dragonflies	Southwest H S
4717	Westerner Robotics	Lubbock Sr H S	7708	Tiger Nation	Terrell H S
5052	The RoboLobos	Cedar Park H S	8055	EGM Robotics	Frisco Community Team
5212	TAMSformers	Texas Academy of Math & Science	8177	Vector	Tomball Memorial H S

## THANK YOU TO OUR EVENT SPONSORS

FRIENDS OF THE FUTURE



ROBOT EXPLORERS



Special thanks to our Host - Greenville High School

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

## 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

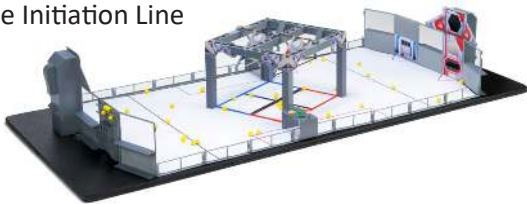
## GAME DESCRIPTION: INFINITE RECHARGE

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!

## THANK YOU TO OUR STATEWIDE SPONSORS



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