



Game History Team 203



What is FIRST?

FIRST, which stands for “For the Inspiration and Recognition of Science and Technology,” is a nonprofit organization founded by Dean Kamen in 1989. Structured around a high-school robotics competition, the FIRST Robotics Competition is much more than just a competition, combining gracious professionalism with technology to create an environment that fosters a deeper appreciation for science and technology. Professional mentors as well as college students partner with teams to teach students valuable engineering and professional skills while helping the team succeed. Furthermore, FIRST teams are encouraged to spread the word to increase appreciation of Science, Technology, Engineering & Math in society as a whole.



Levels of FIRST

In addition to the FIRST Robotics Competition, FIRST sponsors the FIRST Tech Challenge, designed for high school teams that may not have the resources to participate in the FIRST Robotics Competition. For younger students, FIRST has developed the FIRST Lego League and FIRST Lego League Jr. programs.





2019 FRC Season - Destination: Deep Space

The game involves two alliances of three teams each, with each team controlling a robot and performing specific tasks on a field to score points. The game has an outer space theme and involves two alliances of three teams each competing to place hatch covers and balls or "cargo" on rockets and cargo ships before returning to their hab platform to climb at the end of the match.



Presented By  **BOEING**



2018 FRC Season - FIRST Power Up

The game is played by two alliances of three teams each. Their robots compete on a field by placing milk crates which represent power cubes on large balancing scales in order to tip the scales and gain ownership. Alliances can also trade power cubes in for temporary advantages called power ups. At the end of the match, robots can climb or assist a partner in climbing the tower attached to the balancing scale, located on the center of the field, using a rung attached to the tower for additional points.



2017 FRC Season - FIRST Steamworks

The game is played by two alliances of three teams each. Their robots compete on a field by scoring wiffle balls which represent fuel into a simulated boiler which transfers the generated steam into an airship in the middle of the field. Each alliance has one airship, which they pressurize with steam from the boiler and load with plastic gears from the field. At the end of the match, robots can hang on team-supplied ropes attached to the airship for additional points.



2016 FRC Season - FIRST Stronghold

The game is played by two alliances of three teams each, and involves breaching the opponent's defenses, known as outer works, and capturing their tower by first firing "boulders" (small foam balls) at it and then surrounding or scaling the tower using rungs.

