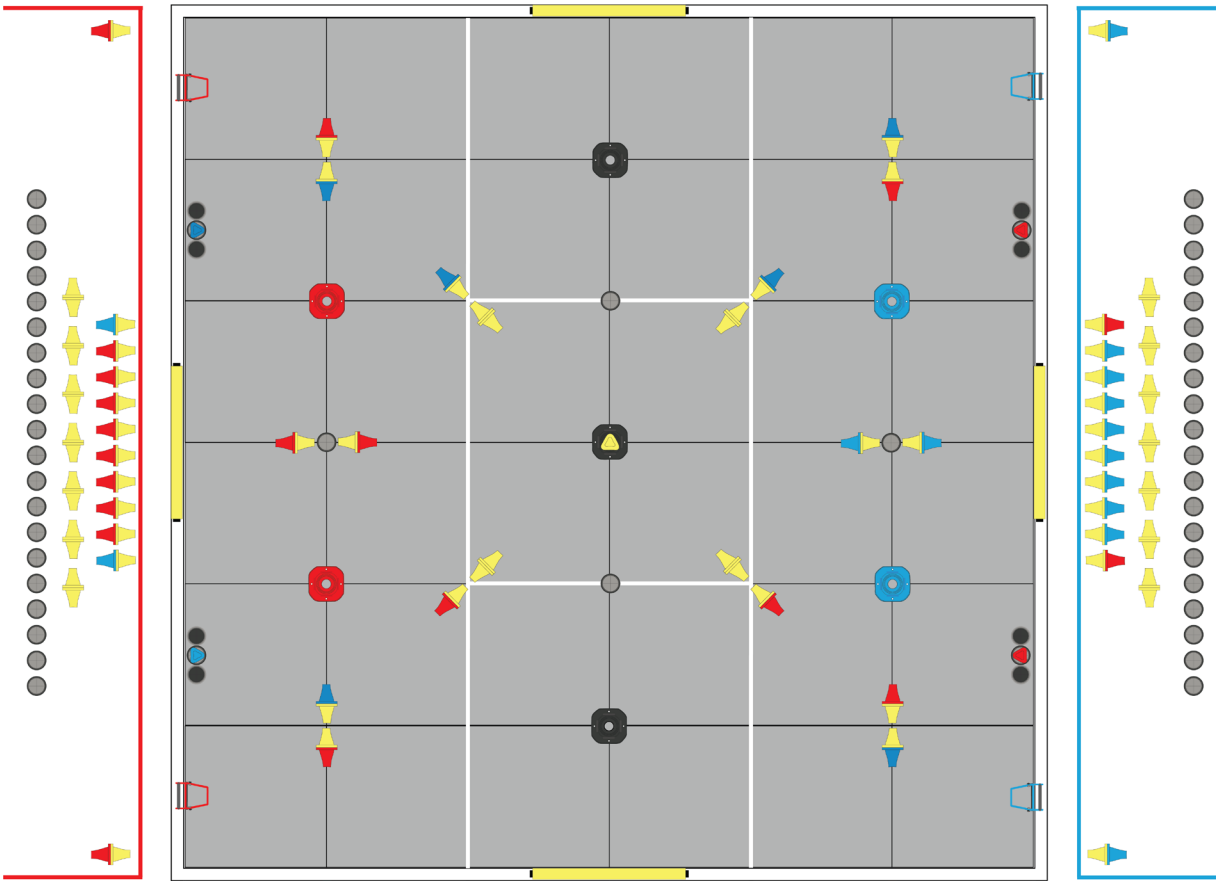
RECF INSPIRE
ROBOTICS COMPETITION
PINNACLE

2026-2027
QUICK GUIDE



THE GAME

The 2026-2027 **RECF Inspire Robotics Competition** game, Pinnacle, is played on a 12'x12' square field configured as seen above. Each match includes one team designated as the red alliance and one team designated as the blue alliance. Each team uses two robots during the match in an effort to outscore the other team. Alliance matches begin with an autonomous period, in which the robots react only to pre-created code, and then move into a longer driver-controlled period.

Teams also compete in solo matches, where a team brings two robots to take the field to score as many points as possible. These matches consist of solo driving matches, where student drive teams have 60 seconds to score as many points as possible while operating their robots with remote controllers, and solo coding matches, in which the robots operate using pre-written code created by the student team members.

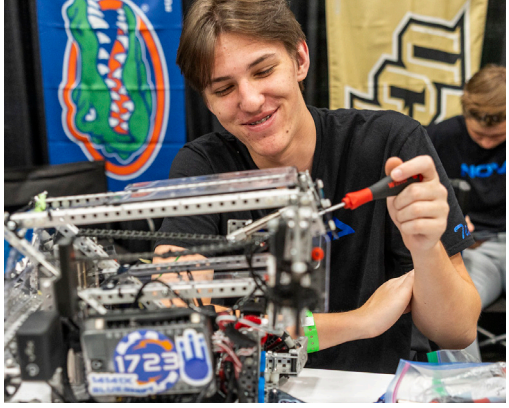
THE DETAILS

In Pinnacle, collegiate teams design robots to navigate the 12'x12' field to collect and stack pins and cups onto goals, turn rollers, and maximize their score with specific orientations of pins, cups, and rollers. Robots can push, lift, rotate, stack, spin, or plow pins and cups, but must follow the rules of each specific match type.

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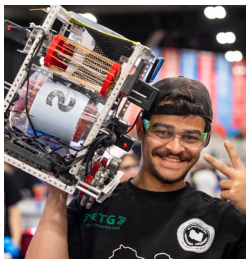
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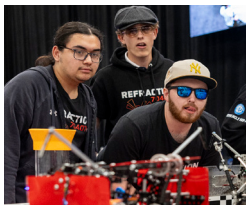


Solo Match Scoring

Solo Match Scoring	Points
Scored Cup	1 point per cup
Scored red or blue halfpin in a color-matching or neutral	5 points per visible halfpin
Scored yellow halfpin on a red or neutral goal, with a roller set to red	5 points per visible halfpin
Scored yellow halfpin on a blue goal, with a roller set to blue	5 points per visible halfpin
Any scored halfpin on the center goal	10 points per visible halfpin

See the game manual for more details.







The Robotics Education & Competition Foundation (RECF) sparks interest in science, technology, engineering, and math by engaging students in hands-on, sustainable, and affordable curriculum-based robotics programs.

DOWNLOADS + LINKS

GAME MANUAL



RECF INSPIRE
ROBOTICS COMPETITION
PINNACLE

COMING SOON

- App-based Game Manual
- RECF Inspire: Pinnacle Q&A
- Quick Reference Guides
- Training Courses
- Robot Inspection Checklist

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