

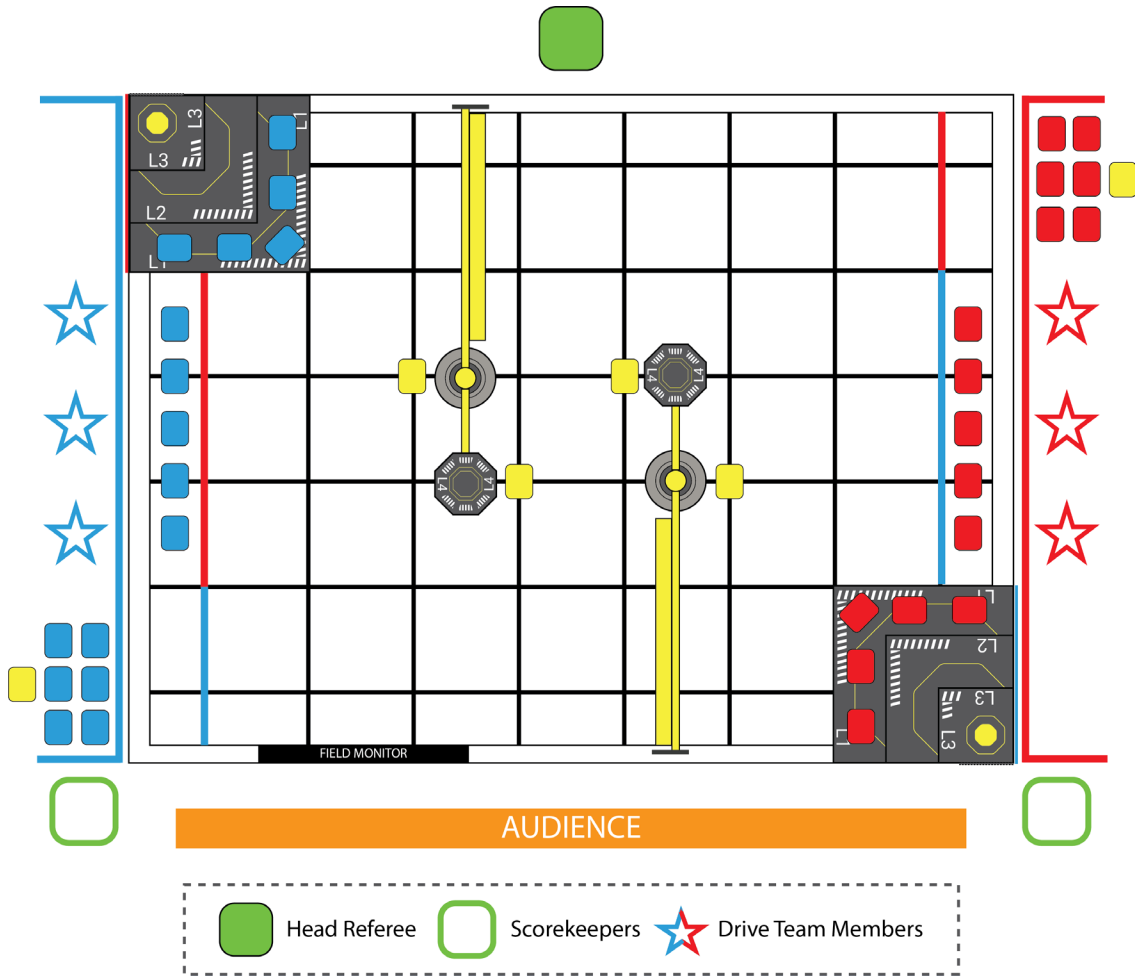


RECF ENGAGE

ROBOTICS COMPETITION

TIER TAKEOVER

2026-2027
QUICK GUIDE



THE GAME

The 2026-27 **RECF Engage Robotics Competition** game, Tier Takeover, is played on a 6' x 8' rectangular field configured as seen above. In Tier Takeover alliance matches, teams have 60 seconds to score as many points as possible. Each alliance match includes two teams, who work together to earn a shared score for the match.

Teams also compete in solo matches, where one robot takes 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 robot with a remote controller, and solo coding matches, in which the robot operates using pre-written code created by the student team members.

THE DETAILS

In Tier Takeover, elementary school (U12) or middle school (U15) teams design robots to navigate the 6'x8' field to collect bean bags and place them in and on matching goals to score points. Robots can push, lift, rotate, stack, toss, or plow bean bags, but must follow the rules of each specific match type.

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Scoring

Points

| | |
|--------------|---|
| Floor goal | 1 point per matching or yellow bean bag |
| L1 goal | 5 points per matching or yellow bean bag |
| L2 goal | 10 points per matching or yellow bean bag |
| L3 goal | 25 points per matching or yellow bean bag |
| L4 goal | 50 points per yellow bean bag |
| Parked robot | 25 points per robot |

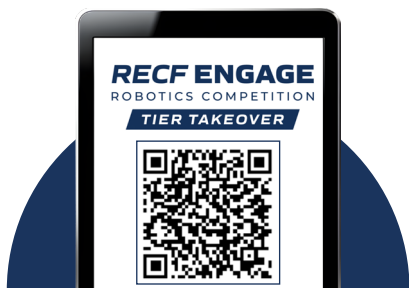
See the **game manual** for more details.



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 ENGAGE
ROBOTICS COMPETITION
TIER TAKEOVER

COMING SOON

App-based Game Manual

RECF Engage: Tier Takeover Q&A

Quick Reference Guides

Training Courses

Robot Inspection Checklist
and Parts References

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