

Event Details

Hear yee! Hear yee!

Welcome to iFixit's first ever robotics competition. This challenge was designed to bring the iFixit community together. [Near, far, wherever you are](#), this competition will go on! This is a team competition—so the strengths of each teammate should contribute to the overall success of the project. Winners will be determined by points acquired from our technical scoring sheet. The prize? In addition to eternal bragging rights and internet fame, the winning team will get engraved Universal Bit Kits, a bag of iFixit swag each, and a \$500 credit to the iFixit store to split amongst team members. (Or, we'd be happy to donate your winnings to a charity of your choice).

Team Requirements

- Teams must have at least 2 members and no more than 5
- You cannot be on multiple teams

Robot Requirements

- The robot must be within L x W x H
- Team will provide a cost of bill of materials and it must not exceed \$100 for new parts
- Each robot must contain no less than 75% of re-purposed/recycled material
- The final robot must perform at least 1 autonomous task
 - (OR the robot must be able to fix something?)

Rules

- Teams of 2-5 and **everyone** must participate. Documentation of team roles and participation must be submitted.
- Each step must be documented with photographs as an iFixit guide. (Not every single step needs to be documented, but it should show the general idea of the construction.)
- All plans (sketches/drawings/mockups) must be submitted to iFixit

Scoring

Category	Description	Judges Score
Mechanical	<ul style="list-style-type: none"> • Structurally sound and stable • Effective use of drivetrains, lifts,intakes, etc. • Robot is built w/ appropriate speed/torque/strength • Durability • No excessive use of parts 	
Notes:		
Design	<ul style="list-style-type: none"> • Strategic design • Team followed a documented, iterative design process • Design assets are complete and well-documented 	
Notes:		
Teaming	<ul style="list-style-type: none"> • Team has roles for all individuals • Collaboration among members 	
Notes:		
Professional Traits	<ul style="list-style-type: none"> • Commitment to team goals • Team maintains a positive work ethic • Team maintains professional behavior 	
Notes:		
Strategy & Innovation	<ul style="list-style-type: none"> • Strategy is systematic, well-documented, and well-explained • Creation of new, unique, or unexpected features 	