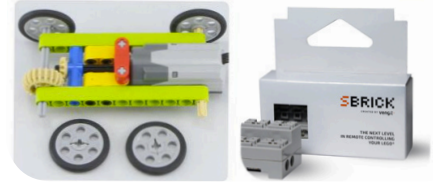


sBrick 500 Race



Objective

- Objective: Teams will use the sBrick smart RC receiver and lego motors to create an app controlled vehicle that will race down and back on a 15 foot track. The team with the fastest time will advance to the next round.

Parameters

- The maximum weight for the vehicle is 10 pounds including battery pack
- There will not be any size requirements for this competition
- Vehicle must be controlled by the sBrick app only
- Each team must use the sBrick smart receiver to control their vehicle otherwise their vehicle will be disqualified.
- Teams can use up to 4 Lego motors to power their vehicle (including steering servo)
- Vehicle have to travel down the straightaway and return back to the starting point to finish the race. The race ends where it begins.
- At the start of the race, the battery pack and sBrick receiver MUST be covered from view or the vehicle will be disqualified.

Notes

- In the case of a tie, there will be a re-race on the course in the opposite direction.
- There are different size LEGO motors so feel free to explore your options.
- Gears are allowed to increase speed and torque.

Materials

- Vehicle can be made of wood, metal, or plastic. It does not have to use only LEGO parts. It does have to meet weight requirements.