



LEGO Line Tracer	Level Junior / Senior	Team 1-2 person	Construction Pre-Made
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This competition features autonomous robots that must follow a designated line until they cross the finish line. The team whose robot successfully completes the course in the shortest time will be declared the winner.

General Rules

1. Each team is allowed one robot only throughout the competition.
2. Robots may not be shared between teams. Any violation will result in immediate disqualification.
3. Robots must move along the track using wheels and must not include any components or attachments that could cause damage to the competition field.
4. Robots must be able to trigger the Timer Gate (timekeeping device) automatically at the start of the run.
5. Robots must be fully assembled prior to the competition.
6. All screws, nuts, and fastenings must be secure. If any part detaches, breaks, or falls into the field during a run, referees will remove it and allow the robot to continue. However, referees will not be responsible for any consequences caused by the removal.
7. Robots that damage the competition field will be immediately disqualified, along with the participating team.
8. No team is permitted to bring or use an external practice field inside the competition area. Any violation will result in disqualification. Testing is allowed only on the official practice and competition fields provided by the organizers.
9. During the official practice period (Round 1), teams will have at least 45 minutes to calibrate and adjust their robots. At the end of this period, referees will collect all robots before competition begins.
10. During the competition, teams are strictly prohibited from making adjustments, testing, or practicing until all matches in the same round have been completed.
11. Only participants are allowed inside the competition area. Parents, coaches, or mentors are not permitted. Any violation will result in disqualification of the team.

Competition Field

12. The field surface is made of vinyl.
13. Track dimensions follow official specifications.
14. A Timer Gate will be positioned at the START line. Robots must activate it automatically.
15. The track design will be revealed on the day of the competition.

Competition Rules

16. Each team will compete in two runs (subject to adjustment by referees depending on available time).
17. Each run will have a maximum time limit of 3 minutes.
18. Robots must start from the designated START position.
19. When the signal is given, participants will press the start button, releasing the robot to follow the track through the Timer Gate to the FINISH line.

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20. Within the time limit, participants may restart their robot as many times as desired to achieve the best result for that round.
21. If a robot veers off the line, that attempt is considered incomplete, and the team must restart.
22. When the robot reaches the FINISH line, the system will stop the timer, and referees will record the result.
23. If a participant chooses to terminate a run, no time will be recorded, and the attempt will be marked as incomplete.
24. Robots must be clearly labeled with the team name or number, visible at all times.
25. In the event of a tie, the teams involved will compete again.
26. Any unforeseen incidents not specified in these rules will be decided at the discretion of the referees.
27. The referees' decisions are final and binding.

Robot Specifications

Category	Dimensions	Sensors	Motors	Voltage
LEGO Line Tracing	25 × 25 cm	Max 4	2	–

- Only LEGO components may be used.

- Any LEGO control board is permitted, but no modifications are allowed.

Field Specifications

Category	Material/Surface	Line / Field Color	Line Width
LEGO Line Tracing	Vinyl/Wood	Black line / White field	2 – 2.5 cm

Robot Requirements

28. Robots must comply with the specifications above.
29. Only one control board is allowed.
30. Robots must be programmed to operate fully autonomously. Human control or external communication is prohibited, except for pressing the start button once.
31. The robot's structure must consist entirely of LEGO parts.

Field Conditions

32. The track, surface, material, and colors will follow the official specifications.
33. The exact track design will be announced on competition day.