

Speed and Control and Robot Challenge Mat

Speed and Control Robot

Build and program your LEGO robot to cover a 400cm distance as quickly as possible and then return home! Build a fast robot and stay in control of it. How fast can it go? Once you're happy with your speedy robot, record your two best times in the PPT template and upload.

Robot Challenge Mat

Can you build and program a LEGO robot to complete a range of exciting mat-based tasks? Find out what your robot has to do in the PPT provided. Record your best score for each task in the PPT provided and when you have complete as many tasks as you can during practice sessions, you're ready to have an in-school timed robot challenge!

- Get your robot ready
- Start the countdown clock from 5 minutes and 30 seconds
- Try as many tasks as you can in that time and record your score out of 40
- Take some time to make modifications to your robot and plan the best strategy for gaining the most points
- Set the timer again for 5 minutes and 30 seconds
- Complete as many tasks as you can and record your score out of 40

Note: only the tasks completed in each round of 5 minutes and 30 seconds count in scoring. You can't mix scores from each round for different tasks.

If your students want to take part in this task and want to take part in the competition please upload your assignment or share with your delivery partner by 14 May 2021 5pm.