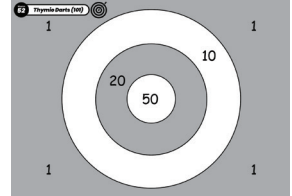




Let's play Thymio Darts and try to get 101 points!

Step 1: Watch the video below, prepare the dartboard, and open Scratch.



Step 2: Make the program in below using Scratch. You can change the numbers and sounds if you want.

The Scratch code consists of several blocks:

- Initialization:** When clicked, set forward, left, and right to 0, and clear LEDs.
- Forward:** When clicked, if button forward is pressed, start sound Thymio 4, change forward by 1, and wait 5 seconds.
- Right:** When clicked, if button right is pressed, change right by 10, set left to 0, start sound Thymio 7, and wait 5 seconds.
- Backward:** When clicked, if button backward is pressed, start sound Thymio power off, set forward, left, and right to 0.
- Left:** When clicked, if button left is pressed, change left by 10, set right to 0, start sound Thymio 6, and wait 5 seconds.
- Center:** When clicked, if button center is pressed, repeat until forward = 0, change forward by -1, set LEDs (R: 0, G: 32, B: 0), set left and right motor speeds to 100, wait 1 second, set forward, left, and right to 0, clear LEDs, and stop motors.

Step 3: Play Thymio Darts and try to get 101 points using the rules below.

- ✓ Make a starting point and put the target about 50cm from the start.
- ✓ Push forward, left, and right to set Thymio (back to reset). Then push the circle to move Thymio.
- ✓ Drop a pen in the hole on Thymio. You get the points of the area the dot is in.
- ✓ Try many times and add up the points until you get 101 points.
- ✓ If you get more than 101 points, you lose and must start again from 0 points.

Step 4: Share pictures and videos of your mission!



Mission

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Thymio Darts (101)



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