

SENSING

Hub Drill Challenge

Challenge Description

The robot should start in the middle of the challenge table. The robot travels forward and stops when it reaches the wall and the touch sensor is pressed. The robot then returns to the middle of the challenge table. Next, the robot should make a 90 degree right turn and move forward until the touch sensor is pressed again. Then, it will again return to the middle of the challenge table. This process is repeated until the robot has touched all four walls on the challenge table. To complete the challenge, the robot needs to touch the walls in the following order: North, South, East and West.

Materials Needed

- Black electrical tape
- Ruler (or straight edge)
- Scissors (or cutting tool)
- 4 books or some other objects to serve as “walls”

Board Specifications

