

CAN SOMEONE PROGRAM YOU?

FIZZICS EDUCATION

ITS ABOUT HOW ROBOTS THINK!

Robots follow exactly what you tell them.

The object of the game

- To walk to a table and pick up a ball
- You have to do EXACTLY what the other person tells you to do (whilst being safe!).
- Every movement has to be 'programmed' before you can move.

Eg. If someone says "Take 5 steps towards the table." Simply answer 'Does not compute. How do I move my legs?' in a robotic voice. The other person needs to tell you how big each step and how to move your legs first

Insist on requiring every tiny bit of information to allow you, as the robot, to achieve the goal!



GOING FURTHER

You just tried computational thinking!

Also known as logical reasoning, computational thinking is highly prized in modern society as the ability to break complex ideas into step by step instructions is a critical skill for engineers, scientists, managers, entrepreneurs and more.

Programming languages require you to specify very specific steps as a series of explicit instructions that can be understood. If the program is wrong, the robot will not know this and perform the task anyway!

WHAT HAPPENED DURING THE GAME?
