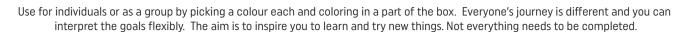
## ROBOTICS

## Skill Tree: Color in the boxes and level up your skills





(set your own goal) Participate in Teach a class a robotics on robotics competition Make a **Build robots** Integrate Al tutorial on a that can work in a robot build robot project together Make a Build a robot Use machine Use soft robotics waterproof that can recognize learning in a project in a design robot voice or gesture Make a robot Build a battle 也 Design a custom with metal parts bot in a team PCB for a robot × Build a pick Solve a problem Build a robot Make a robot and place robot that can balance with a robot build with LiDAR eg. LumenPnP ((0))Use Build a Build a drawing kinematics in 3D printer machine a project 常 Simulate your Join a robotics Build a drone Build an robot in software club or group autonomous robot H eg. Gazebo or V-REP Build a racing Make a robot Build a large open robot, eq. dance source robot, eg. Donkeycar InMoov Contribute T Make mods Use an LED Build a robot to an off the shelf to an open source matrix or screen with a camera robot or part robotics project in a robot OSHW 0 Program a robot Rebuild a robot Use pneumatics with the Robot after it breaks in a build Operating System Send C:/ Use upcycled Build a floating Use OpenCV commands e-waste in a project in a project robot wirelessly دئ <u>40</u> Read a book 0 9 Build a Build a robot or attend a companion robot with wheels or workshop tracks Build a Teach a friend Use a PID Write software fighting robot a robotics skill controller in a to run on a robot e.g. Sumo or Battlebots project × // ہے Use a game Use an IMU Calibrate a controller in in a project robot build a project Build a biped Make a CAD 3D print Visit a robot robot eg. model of a robot a robot part restaurant Ottobot project Learn a CAD Use an infrared Program a robot software sensor in a project arm 60 Build a robot Build a line **((0))** following robot a multimeter with more than one a 3D printer motor \rightarrow \right Learn about **Use Raspberry** Make a PWM control Pi in a project cardboard robot Blink a light Use an <del>------</del> Learn to solder Control a with Arduino ultrasonic sensor and soldering safety servo motor in a project  $\odot$ Build a robot Learn about ((0))Make a cardboard from a kit different kinds of motors automata 1 tile = 1 point <del>------</del>



**Total Score** 

**HERE** 

**START** 

Name: .