

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

Use for individuals or as a group by picking a color each and coloring in a part of the box. Everyone's journey is different and you can interpret the goals flexibly. The aim is to inspire you to learn and try new things. Not everything needs to be completed.



(set your own goal) Create an Design a 3+ **FPGA Project** layer PCB **** 8 Use capacitive Make a switch Teach a class on touch in a PCB mode power supply Electronics design 3 Release a Use a pick and Make an Make something tutorial on a project place machine electronic sculpture with PCB Art you've made Design a PCB Build a Radio Make a PID circuit SAO or badge for a Frequency (RF) with Op-Amps conference Project Se se Order a PCB Use a frequency Use automatic Apply solder paste to with your design analyzer for a project gain control a PCB with a stencil × Use a MOSFET •••• Filter unwanted Repair a mistake instead of a relay in noise from a signal on a PCB a project Use a surge Look at an audio Learn PCB Make a regulated diode to project a input on an Design Software power supply oscilloscope circuit Measure Se se 8 Make something Make an open voltage with an with a 7 segment source project oscilloscope display [_^_ iØ *** OSHW Measure Make something 15:34 Teach a friend Make an capacitor equivalent with solar panels an electronics skill antenna series resistance **((1))** Use a crowbar Make a motor Make a counter controller with a circuit to protect with logic gates H Bridge against over voltage 이이경 5 Use a shift Measure frequency Accidentally let Make your own register in a project with a multimeter or out the magic smoke **USB** cable oscilloscope 1 Use a relay Use a 555 Build a robot to switch something timer in a circuit on at a higher voltage 0000 555 0000 Make an Internet 3 Learn to solder Make a project Amplify a sound of Things (IoT) surface mount parts with a Raspberry Pi or signal project **<**□□~ Fix something Use an LED Turn something that's broken on using a sensor matrix in a project **å**)) Measure Use a diode to Make an Make a voltage protect your circuit current with a oscillator that divider to lower from reverse voltages multimeter makes noise the voltage for a project ____ Get a circuit Use addressable **\(\frac{1}{2} \) 4**) Turn a breadboard wrong and try RGB LEDs in a circuit into a schematic again and vice versa project Learn 유 1 earn to desolder Learn to read Measure voltage about different a through hole a datasheet with a multimeter types of batteries component Learn about Make a DIY **/** Make something voltage, current capacitor with Arduino or a and resistance dev board 5 Learn to Complete Learn to use Learn about a breadboard use wire strippers an electronics kit Ohm's Law V Learn to Light up an Learn to solder read a schematic LED and soldering safety 유 1 tile = 1 point

Name: _____



HERE

Total Score