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

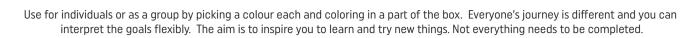
(set your own goal)

Create a design

using vector software

and cut with the vinyl cutter

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(set your own goal)

with Arduino

Do a wearable tech project

₩

Make a project

Create and 3D print a

model in MeshMixer

Use heat set

threaded inserts

in a part

Use the

badgemaker to

make badges

③

Attend a

Measure voltage

with a multimeter

Create and 3D print a

Learn to

use wire strippers

(set your own goal)

Make a model in a sculpting software eg. Blender, Z-brush, MudBox

Make a circuit that includes a button or switch

Print a tool of some kind

Use super glue or gorilla glue

Teach someone how to 3D Print



workshop

Use the Arduino Serial Monitor

1...

Print something for the home

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model in TinkerCAD

Use 3D Builder to help you prepare a model for printing

Light up an LED for the first time

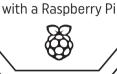


Name: .

Print a gift for a friend or family member

Build a robot

Get 3D scanned and print a model of yourself



Create a design using vector software



Design and print something with press fit parts



Fix something with electronics



Wind your own thread into a bobbin



Make something with Arduino



Use spiralise or vase mode to print something

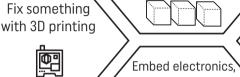


Create something from Customizer on **Thingiverse**





Put on your first 3D Print 3



Use an overlocker





Create a model in Fusion 360



Do a hot pull and cold pull cycle to unclog a



Model and print something that solves a problem Use the hot



Use the calipers

to measure something

Learn to

use a drill

Have a failed print and fix the problem



Learn sewing machine basics



Use an FDM printer for the first time



HERE

Teach a class on 3D Printing or 3D modelling (set your own goal)

3D Print

something on fabric

Fix broken

electronics with the soldering iron

Met 1

Design a two

colour print in Fusion

Use the hot

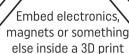
air gun

~ ~

Have a spectacular



Design, print and assemble something with multiple parts





Îterative design: Print something again after making improvements

> Use a vinyl cutter to make a sticker



Print in two colors or materials



print failure, with lots of spaghetti



Print a model with tree supports





Use a zigzag stitch on a sewing machine



Prototype a project with cardboard



a breadboard



(set your own goal)

3D Scan, fix and print a model



Sew something practical



Reverse engineer something in CAD software

Use the lab power supply unit to provide voltage to a project





Learn to read a schematic



Edit an existing model and print



Learn to desolder a through hole component



Print an articulating or print in place model



Print in PLA material



1 tile = 1 point

Total Score

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github.com/sjpiper145/MakerSkillTree

START