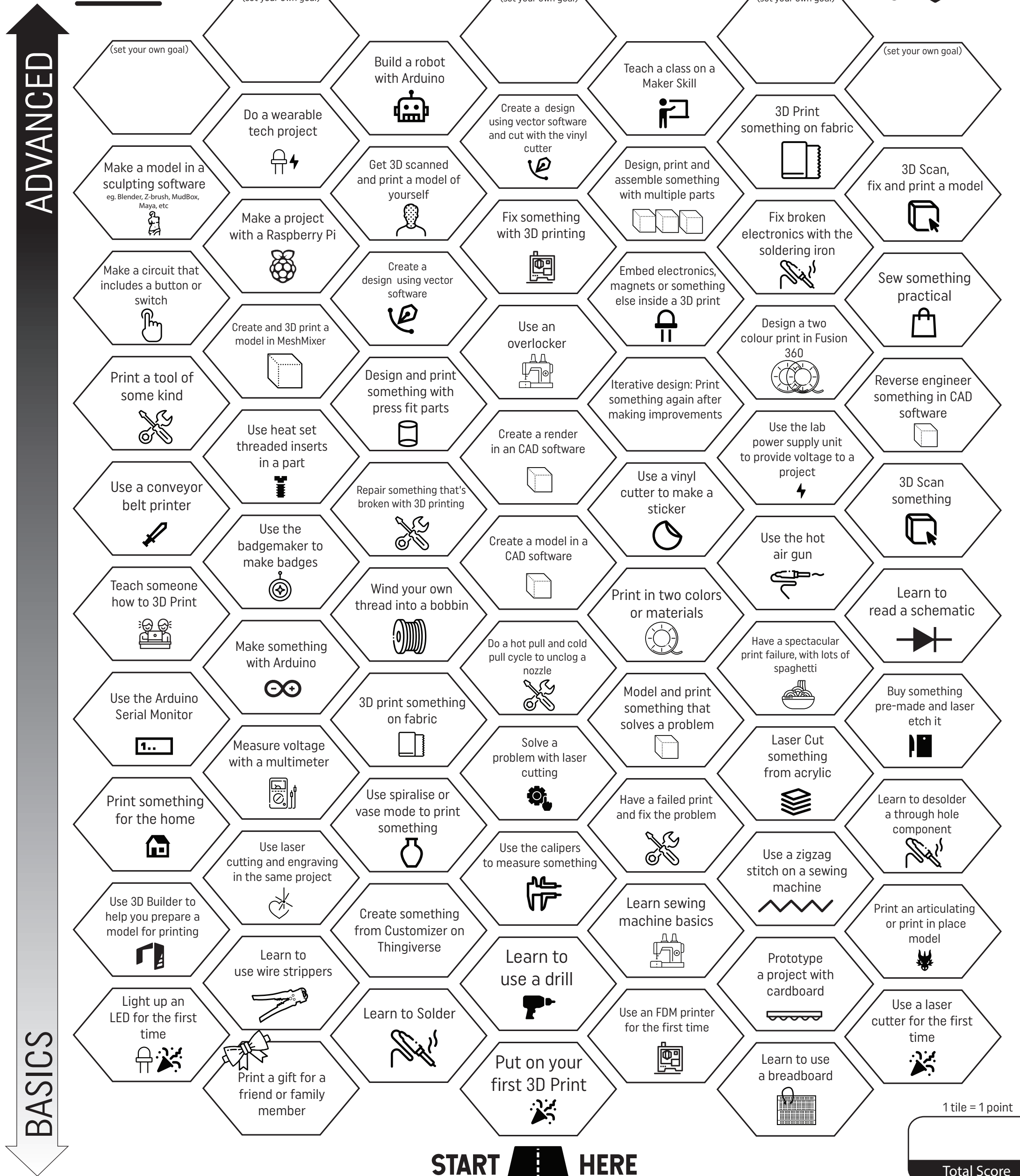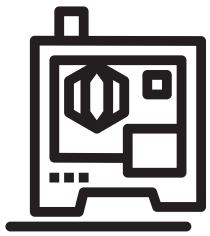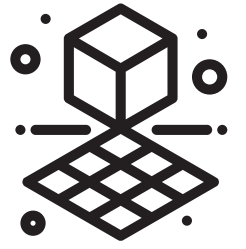# MAKERSPACE

Skill Tree: Color in the Boxes

Color in the boxes of anything you've already completed, visualize your skills and identify your skill gaps. Get inspired to try new things and tailor the skill tree to suit your own journey by swapping in your own goals.

ADVANCED

BASICS

(set your own goal)

(set your own goal)

(set your own goal)

(set your own goal)

(set your own goal)

(set your own goal)

- Build a robot with Arduino
- Do a wearable tech project
- Make a model in a sculpting software eg. Blender, Z-brush, MudBox, Maya, etc
- Get 3D scanned and print a model of yourself
- Create a design using vector software and cut with the vinyl cutter
- Teach a class on a Maker Skill
- 3D Print something on fabric
- Design, print and assemble something with multiple parts
- 3D Scan, fix and print a model
- Make a project with a Raspberry Pi
- Fix something with 3D printing
- Fix broken electronics with the soldering iron
- Make a circuit that includes a button or switch
- Create a design using vector software
- Embed electronics, magnets or something else inside a 3D print
- Sew something practical
- Create and 3D print a model in MeshMixer
- Use an overlocker
- Design a two colour print in Fusion 360
- Print a tool of some kind
- Design and print something with press fit parts
- Iterative design: Print something again after making improvements
- Reverse engineer something in CAD software
- Use heat set threaded inserts in a part
- Create a render in an CAD software
- Use the lab power supply unit to provide voltage to a project
- 3D Scan something
- Use a conveyor belt printer
- Repair something that's broken with 3D printing
- Use a vinyl cutter to make a sticker
- Use the badgemaker to make badges
- Create a model in a CAD software
- Use the hot air gun
- Teach someone how to 3D Print
- Wind your own thread into a bobbin
- Print in two colors or materials
- Learn to read a schematic
- Make something with Arduino
- Do a hot pull and cold pull cycle to unclog a nozzle
- Have a spectacular print failure, with lots of spaghetti
- Use the Arduino Serial Monitor
- 3D print something on fabric
- Model and print something that solves a problem
- Buy something pre-made and laser etch it
- Measure voltage with a multimeter
- Solve a problem with laser cutting
- Laser Cut something from acrylic
- Print something for the home
- Use spiralise or vase mode to print something
- Have a failed print and fix the problem
- Learn to desolder a through hole component
- Use laser cutting and engraving in the same project
- Use the calipers to measure something
- Use a zigzag stitch on a sewing machine
- Use 3D Builder to help you prepare a model for printing
- Create something from Customizer on Thingiverse
- Learn sewing machine basics
- Print an articulating or print in place model
- Learn to use wire strippers
- Learn to use a drill
- Prototype a project with cardboard
- Light up an LED for the first time
- Learn to Solder
- Use an FDM printer for the first time
- Use a laser cutter for the first time
- Print a gift for a friend or family member
- Put on your first 3D Print
- Learn to use a breadboard

START HERE

1 tile = 1 point

Total Score

Name: _____