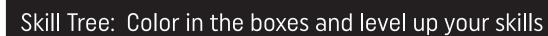
CNC & CAM



Use for individuals or as a group by picking a colour each and coloring in a part of the box. Everyone's journey is different and you can



(set your own goal)

Use a CNC Lathe

Fill an engraving

with wax or resin

F

Accidentally misalign

the second side of a job

Hit a tight

tolerance

令

Clean down

a CNC

*/:

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) (set your own goal) (set your own goal)

(set your own goal)

Build your own

CNC Machine

Repair a CNC

after a crash

Upgrade your

Modify a post-processor

> Make a custom workholding jig

Use a fixture

plate

Make soft

stops for multiple

parts

Add tabs to

a part

Use a vacuum

table

Manually

edit a G-code file

G1

Fix stock with

clamps or screws

CNC machine



your CNC machine Use work



Check machine alignment



Use multiple work offsets



Use a digital probe to set origins





Use tool offsets



Touch off material manually



Name:

github.com/sjpiper145/MakerSkillTree

Visit your local makerspace or woodworking club





:::::



Engrave text



Use a finishing cycle



Machine a pocket



Cut a 2D Contour



Face off a part



Use peck drilling



Generate your first G-code file



Use a feeds & speeds calculator



Use heatshrink

tooling

Use a chamfer

tool

Use a boring

tool

Use a fly cutter

Use a

facemill

O'

Use a keyless

chuck



Machine stainless steel



Machine a used part



Machine steel



Machine a composite



Machine brass or copper



Use a collet chuck



Machine

timber

Get safety gear

and learn CNC safety

Machine

Use a ball



Use a drill bit



mill

Use an endmill





Teach a CNC class





Sell something you've made

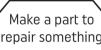


Make multiple parts that fit together





as a gift



repair something





Design and upload

a project online

Make a

or tool

Make a 3D

art piece

Understand

the limits of

your machine

盟

Use material that is too small



See "chatter" in your part







Use a CNC for the first time



1 tile = 1 point

Total Score

START

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