Make a 3D

art piece

Sell something

you've made

\$

Fill an engraving

with resin or paint

F

Fill an engraving

with wax

Engrave a

picture

Make

mechanical parts

that fit together

Make a

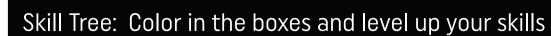
mechanical part

O

tool

Use a V-Cutter

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 vacuum

table

Use a

fixture plate

something

as a gift

Use a vise

Hib

Make a custom

part-holding jig

Fix stock with

clamps

Fix stock with

screws

Fix stock with

glue

å

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

Use a CNC Lathe

Use an

XYZ Probe

Use a Z probe

Drill an array

of holes (eg. speaker

grill)

Use a

finishing pass

Make a two-sided

part

Add tabs to

a part

Make a 2.5D

part with

pockets

Use an endmill

CNC Machine Use an automatic toolchanger

Change tool

in a G-Code

Program

M1

Visit your local

makerspace or

woodworking club

Use a

non-standard cutter

Drill a hole

using a drill cycle

Machine a hole

with an endmill

Н

Teach a friend

CNC skills

Engrave text

Find Z zero

on your part

 \oplus

Use a ball mill

Teach a CNC

Tram your

CNC machine

Make multiple

parts in the same

program

Modify a

post-processor

:::::

Use cutting

oil or spray

F

Make a part

with a fillet

Make a 3D part

with curves in

the z axis

Use a

feeds & speeds calculator

Make a 2D

flat part

Use a CNC

for the first time

HERE

Retrofit an old CNC machine

Design something and

upload instructions online for others to use

circuit board

Make a part

in steel

fire to a wooden part CNC a printed

> **%** Accidentally misalign the second side of a job

Machine a

mountain range

Accidentally set

Make a part in titanium

> Accidentally use thre wrong tool

> > Accidentally run a tool through your

nearly finished part 1 Make a part

in Aluminium Try to make a part larger than

your stock Make a part

See "chatter'

in your part **///**

Break a tool

 \rightarrow

Make a part in wood

in plastic

Cut out a circle

 \bigcirc

Generate your first G-code file

G1 Cut out a square

Cut a pocket

double-sided sticky tape

Fix stock with

1 tile = 1 point

Total Score





START