## LASER CUTTING



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 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)

Use a 3D engraving

technique (eg. depth map)

Combine laser

cutting with hardware

(bolts, hinges etc)

Convert something

from one vector format

to another

Teach a friend

laser cutting

Have an idea

and make it in

less than 1 hr

Reverse engineer

something for a

project

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Make something

from multiple laser

cut parts

Make a simple

design in vector

software

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Learn which

materials are

(set your own goal)

Optimise a

repetitive job for

speed

Use a single-line

font

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Join a laser cutting

group (online or in person)

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Use multiple

passes to cut through

a thick material

Optimise a design

for engraving

Make

something

for a friend

Laser cut

something for

around the house

Use a box

generator and laser

cut a box

gara)

Set up an exhaust or

air filtration system

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Make a laser cut project that's bigger than yourself

Teach a workshop on laser cutting

(set your own goal)

laser to engrave a curved object

Use a rotary

Upload an Open Source design online for others

(set your own goal)

Cut a nonstandard material (e.g. leather, rubber stamp leaf, shell)

Make something

from laser cut

fabric / leather

Fix a laser

cutter when

Solve a real-life

function to turn pixels

into vectors

pre-made and laser

etch it

Customise a design

P

Create a complex

design from scratch using vector software

Add paint/ colour to a project

F

something goes wrong Combine laser

cutting and 3D printing ir the same project 

problem with laser cutting Make a

tool with laser cutting Use tabs to keep

small pieces in a design in place

Add electronics to a laser cutting project

Make a stencil 유 (preferably in polypropylene!)

> Cut something from acrylic

Use an auto-trace

Get a design

wrong and try again

Make something from upcycled

materials 5 using vector software

nearby

blanket & extinguisher

unsafe to cut Mount a fire



Use a Galvo/ Fiber laser Cutter

(set your own goal)

**Engrave** metal

Nest parts for

maximum material

efficiency

Fit something to a

real-life object (use a

photo or scan)

Use a CO2

Laser Cutter

Modify your laser

cutter (air assist, add

camera, change firmware,

etc)

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Make

something with a

perforated fold/ tear-away

Laser cut

paper or cardboard

Use a diode

laser cutter

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Set up an enclosure

for your laser cutter

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Make a hard material bend with living hinges

Make a custom

workholding solution (jig)

Make something

with a few different

materials

Do a marquetry

project

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Engrave ceramic,

tile or stone

Make a design of

stacked materials/

sheets

Find perfect cut

settings for a new

material

Prototype

a project with

cardboard

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Use cutting

and engraving

in the same project

Use a 3D design software, to create a complex fitted part

Learn how to use boolean tools effectively

Find perfect fit tolerances for your most used material

Use a camera mounted to your laser to position your jobs

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Find perfect image/photo engraving settings

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Make an organiser

with laser cutting

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Cut something from timber

Buy some good

laser safety glasses

cutter for the first time

Use a laser

**START HERE** 



Name: <sub>-</sub>

