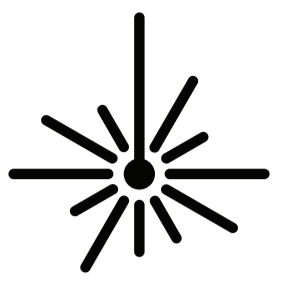


LASER CUTTING

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



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.



ADVANCED

BASICS

(set your own goal)	(set your own goal)	(set your own goal)	(set your own goal)	(set your own goal)
Use a Galvo/ Fiber laser Cutter	Make a laser cut project that's bigger than yourself	Teach a workshop on laser cutting	Use a rotary laser to engrave a curved object	Upload an Open Source design online for others
Optimise a repetitive job for speed	Make a hard material bend with living hinges	Use a 3D design software, to create a complex fitted part	Cut a non-standard material (e.g. leather, rubber stamp, leaf, shell)	Use a 3D engraving technique (eg. depth map)
Engrave metal	Make a custom workholding solution (jig)	Learn how to use boolean tools effectively	Make something from laser cut fabric / leather	Create a complex design from scratch using vector software
Use a single-line font	Nest parts for maximum material efficiency	Fix a laser cutter when something goes wrong	Add paint/colour to a project	Combine laser cutting with hardware (bolts, hinges etc)
Join a laser cutting group (online or in person)	Fit something to a real-life object (use a photo or scan)	Find perfect fit tolerances for your most used material	Combine laser cutting and 3D printing in the same project	Convert something from one vector format to another
Use multiple passes to cut through a thick material	Do a marquetry project	Solve a real-life problem with laser cutting	Teach a friend laser cutting	Use a C02 Laser Cutter
Optimise a design for engraving	Engrave ceramic, tile or stone	Use a camera mounted to your laser to position your jobs	Make a tool with laser cutting	Have an idea and make it in less than 1 hr
Make something for a friend	Modify your laser cutter (air assist, add camera, change firmware, etc)	Find perfect image/photo engraving settings	Add electronics to a laser cutting project	Reverse engineer something for a project
Laser cut something for around the house	Make something with a perforated fold/ tear-away	Make an organiser with laser cutting	Cut something from acrylic	Make something from multiple laser cut parts
Use a box generator and laser cut a box	Laser cut paper or cardboard	Find perfect cut settings for a new material	Use an auto-trace function to turn pixels into vectors	Get a design wrong and try again
Use a diode laser cutter	Prototype a project with cardboard	Cut something from timber	Buy something pre-made and laser etch it	Make a simple design in vector software
Set up an exhaust or air filtration system	Use cutting and engraving in the same project	Buy some good laser safety glasses	Customise a design using vector software	Make something from upcycled materials
Set up an enclosure for your laser cutter	Use a laser cutter for the first time	Mount a fire blanket & extinguisher nearby	Learn which materials are unsafe to cut	

START HERE

Name: _____



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