

Home & Garden Projects

Project	Skill Level	Tools & Materials	Description
Metal Plant Stand	Beginner	Welding machine, steel rods, angle grinder	A simple, stylish frame to hold flowerpots indoors or outdoors.
Garden Trellis	Beginner	Metal rods, MIG welder	Create a frame for climbing plants like tomatoes or roses.
Fire Pit	Medium	Steel rings or sheets, cutting tools	Build a round or square fire pit for your backyard.
Outdoor Bench Frame	Medium	Steel angles, welder, wood planks	Weld a sturdy base and add wooden planks for seating.
Wall-Mounted Hose Holder	Beginner	Steel rod or flat bar, wall brackets	Keep your garden hose organized with a custom holder.
Tool Rack for Garage	Beginner	Metal bar, hooks, drill	Hang your tools neatly with this easy-to-weld rack.
Garden Lantern Frame	Beginner	Thin steel rods	Make decorative lanterns for candles or solar lights.
Custom BBQ Grill Grate	Medium	Stainless steel rods	Replace or create a custom-sized grate for your grill.
Fence Repair Brackets	Beginner	Flat bars, cutting wheel	Fix or strengthen fence sections with welded brackets.
Mailbox Post	Medium	Square tube, concrete base	A durable mailbox post welded to last for years.

Furniture Projects

Project	Skill Level	Tools & Materials	Description
Simple Metal Stool	Beginner	Square tubing, welder	Great practice for square joints and functional use.

Coffee Table Base	Medium	Steel tubing, grinder	Build a sleek table base and add a wood or glass top.
Bookshelf Frame	Medium	Angle iron, cutting tools	A sturdy open-frame bookshelf that looks modern.
Laptop Stand	Beginner	Metal sheet or rods	Lightweight, tilted frame to support your laptop.
Wall Shelf Brackets	Beginner	Flat bars, cutting tools	Small welded L-shaped brackets to hold wood shelves.
Side Table Frame	Beginner	Square rods, MIG welder	Minimalist side table base, perfect for bedrooms.
Coat Rack Stand	Medium	Steel rods, hooks	Tall frame with hooks welded on top.
Chair Frame	Advanced	Tube steel, angle grinder	Requires precision, but makes a cool custom chair.
Foldable Work Table Frame	Medium	Hinges, square tubing	Portable table frame for garage or workspace.
Bed Frame Corners	Medium	Steel corner joints, measuring tape	Reinforce wooden bed frames with custom brackets.

Decor & Art Projects

Project	Skill Level	Tools & Materials	Description
Metal Name Sign	Beginner	Flat steel plate, letter stencils	Personalize your home or garage with your name in metal.
Geometric Wall Art	Beginner	Thin rods, ruler	Weld abstract patterns and hang them as art.
Sculpture from Scrap Metal	Medium	Any scrap pieces	Use leftover metal creatively to form animals or abstract shapes.
Metal Candle Holder	Beginner	Metal rod, steel sheet	A cool holder for pillar or tea-light candles.

Picture Frame	Beginner	Angle iron or flat bar	Clean edges make it perfect for photo displays.
Key Holder	Beginner	Scrap metal, hooks	Small wall piece with hooks to keep keys organized.
Wind Chimes	Beginner	Rods, chain links, welder	Combine different scrap for musical outdoor art.
Letter Cutouts	Medium	Plasma cutter, steel sheet	Cut initials or words and hang them on a wall.
Modern Clock Frame	Medium	Circular frame, clock kit	Weld a circular or abstract frame and insert a clock.
Door Number Plate	Beginner	Flat bar, numbers, paint	Weld-on or cut-out address numbers for your home.

Utility Projects

Project	Skill Level	Tools & Materials	Description
Welding Cart	Medium	Square tube, wheels	Build a rolling cart for your welder and tools.
Workbench Frame	Medium	Angle iron, bolts	A strong table base that can handle weight.
Tool Hanger	Beginner	Flat bar, hooks	Hang wrenches, screwdrivers, or hammers.
Extension Cord Holder	Beginner	Rod or pipe	Wind up your extension cord to keep it tidy.
Drawer Handles	Beginner	Scrap rods or bent metal	Customize handles for shop drawers.
Wall Hooks	Beginner	Bent rods	Great for garage or shed organization.
Helmet Stand	Beginner	Metal rod and base	A simple stand to hold your welding helmet safely.

Clamp Arm for Bench	Medium	Steel bar, bolts	Adjustable arm for holding workpieces.
Rolling Storage Rack	Medium	Tubing, casters	Store supplies and roll them where needed.
Cable Organizer Brackets	Beginner	Flat bar	Keep power cables off the floor.

Auto & Garage Projects

Project	Skill Level	Tools & Materials	Description
Jack Stand Base	Medium	Steel plate and tubing	Weld a wider base for more stability.
Motorcycle Ramp	Medium	Angle iron, steel mesh	Lightweight ramp to push bikes onto a truck.
Battery Box Frame	Beginner	Sheet metal, cutting tool	Hold and protect a battery in your vehicle.
License Plate Bracket	Beginner	Flat bar or angle	Custom mount for license plates.
Roof Rack Base	Medium	Tube steel, measuring tape	Build the base of a custom roof rack.
Muffler Hanger	Medium	Welding rod, rubber mount	Secure a loose exhaust or build your own hanger.
Garage Tool Rack	Beginner	Flat bar, hooks	Line up all your frequently used tools.
Wheel Chocks	Beginner	Welded wedge blocks	Prevent your car or trailer from rolling.
Oil Drip Tray Frame	Beginner	Flat steel, welding sheet	Keeps your garage floor clean.
LED Light Bar Mount	Medium	Flat bar and brackets	Add lights to your car, truck, or off-road build.

Beginner Practice Projects

Project	Skill Level	Tools & Materials	Description
Welded Cube	Beginner	Equal rods or bars	Perfect for learning straight welds and measuring.
Flat Metal Sign	Beginner	Steel sheet, paint	Try letters, patterns, or symbols.
Angle Brackets	Beginner	Flat bar, grinder	Basic brackets for corners.
T-Joint Practice Bar	Beginner	Scrap bars	Great practice for strong T-joints.
Toolbox Frame	Medium	Sheet metal	Weld a simple box for tools.
Metal Hooks	Beginner	Bend and weld rods	Super simple, practical starter piece.
Horseshoe Projects	Beginner	Horseshoes, imagination	Weld them into wine racks, animals, or decorations.
Bottle Opener	Beginner	Flat bar	Custom design that's actually useful.
Phone Stand	Beginner	Flat bar or bent rods	Handy desk project.
Mini Work Stool	Beginner	Steel tubing, wood	Compact and easy to try out.