



I DAVID GROENJES

David, a Midwesterner with a passion for nature, turned his love for the outdoors into a successful sculpture business. While studying natural resource conservation and working for the U.S. Fish & Wildlife Service, he honed his artistic skills. A move to rural Wisconsin in 2015 led to the creation of DG Sculpture & Design. Inspired by nature, David's sculptures have gained international acclaim through exhibitions and media features. Through his art, David aims to foster appreciation for the environment and wildlife.

SKILL LEVEL: Intermediate/Advanced TIME COMMITMENT: 10-20 hours

/ TOOLS AND MATERIALS



Millermatic[®] 142 MIG welder



4 1/2-in. angle grinder



Bench vise



Simple hand tools (hammer, vise grips, etc.)



Torch



Welding gloves



Safety glasses



Welding jacket



Welding helmet



Sheet metal, 18 ga. – 1/8-in. thick



Recycled/repurposed metal objects: sprockets, old tools, ball bearings, nails and bolts, saw blades, etc.

Tools used in building but not required:

- Metal shear
- Air die grinder
- Bolt cutter
- Fume extractor

WARNING: READ AND FOLLOW ALL LABELS AND THE OWNER'S MANUAL.



Get wild and create a one-of-a-kind raven sculpture that brings nature indoors!

STEP BY STEP



Select a good reference photo for the raven you want to make. Scale the image so you can have accurate measurements for the pieces you will use. In this demonstration, we scaled the image so the final sculpture would be 24 inches long. Each piece of this wildlife sculpture is different and no two will be the same. Keep an open mind and pay close attention to dimensions and proportions as you build.



Shape the beak to ensure it has the correct curvature and sharpness of the Raven in the reference photo you are recreating. Once the beak is formed, proceed to sculpt the head.



Begin by creating six-inch legs, each bent at a midpoint to form an angle between 30 to 40 degrees. Next, create assorted toe lengths, with the longest toe measuring 2 $\frac{1}{2}$ inches. Then, form the claws at the ends of the toes using small, bent nail ends.



Weld the eyes to the head keeping about 3 inches distance from the tip of the beak to the eyes. Then, create the eyelids by using washers and small round stock.



Begin by welding the legs to the table, then, once the legs are in place, construct the neck that will hold the head approximately eight inches above the legs.



Create the tail feathers and attach to the upper portion of the legs. These initial tail feathers will be about 12 inches long.



Carefully cut the legs free from the table, then, proceed to weld the toes made in Step 2 to the legs. The bird should be free-standing now.



Create the bottom layer of the wing feathers with a curved scrap material and weld in place. This will be the base for the other "feathers" as you move upward.



Select randomly cut pieces of sheet metal and items like saw blades, and alternate placing the pieces on each side while welding them in place, moving toward the neck and head.



Start construction of the neck area using pieces with aggressive texture. Small sprockets or gears work well for this part.



Next, form the wider section of the upper legs. For this demonstration, I used old saw blades I dulled down.



Then we want to create the bottom/belly of the bird. This was made primarily with cut pieces of %-inch sheet metal scraps welded to the bird.



Fill in small areas between the neck and body, creating the neck of the bird. You can do this using small pieces of scrap metal and random small pieces of cut sheet metal.



After, you'll want to fill in fine details in the face and head. Once again, use small pieces of available scrap. Things like washers, snap rings and hand tools were used for this section.



Finally, you'll need to clean the sculpture with a wire wheel and debur any sharp or rough edges.



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