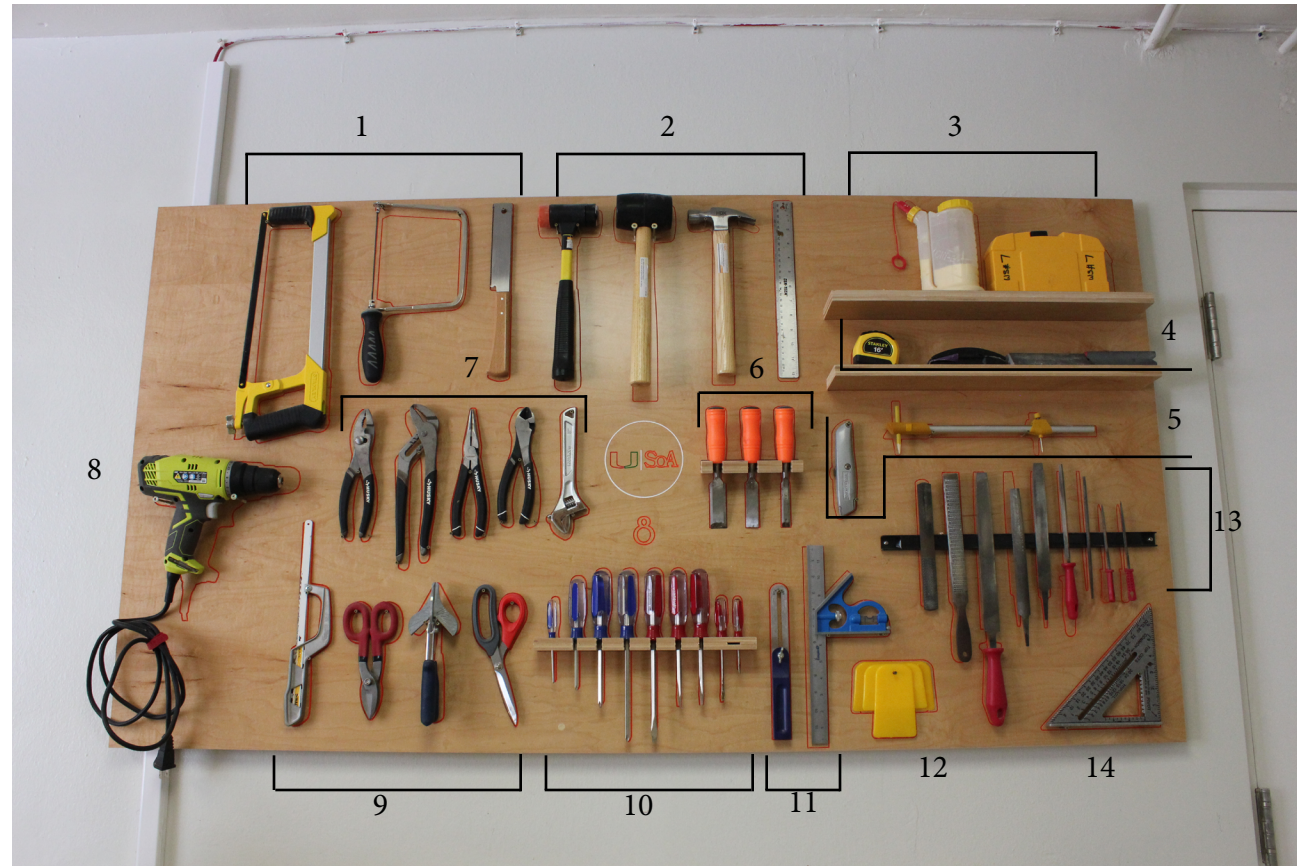




Hand Tools

The U-SoA Fabrication Lab will foster a culture of learning through making. Its principal purpose is to serve students and faculty in existing and future research pursuits, by providing robust training and broad access to a host of digital and analog tools. The Lab aims to continually improve, incorporating new technologies and expanding its capacities, growing into a resource equal to the substantial ambitions of a top-tier architecture program.

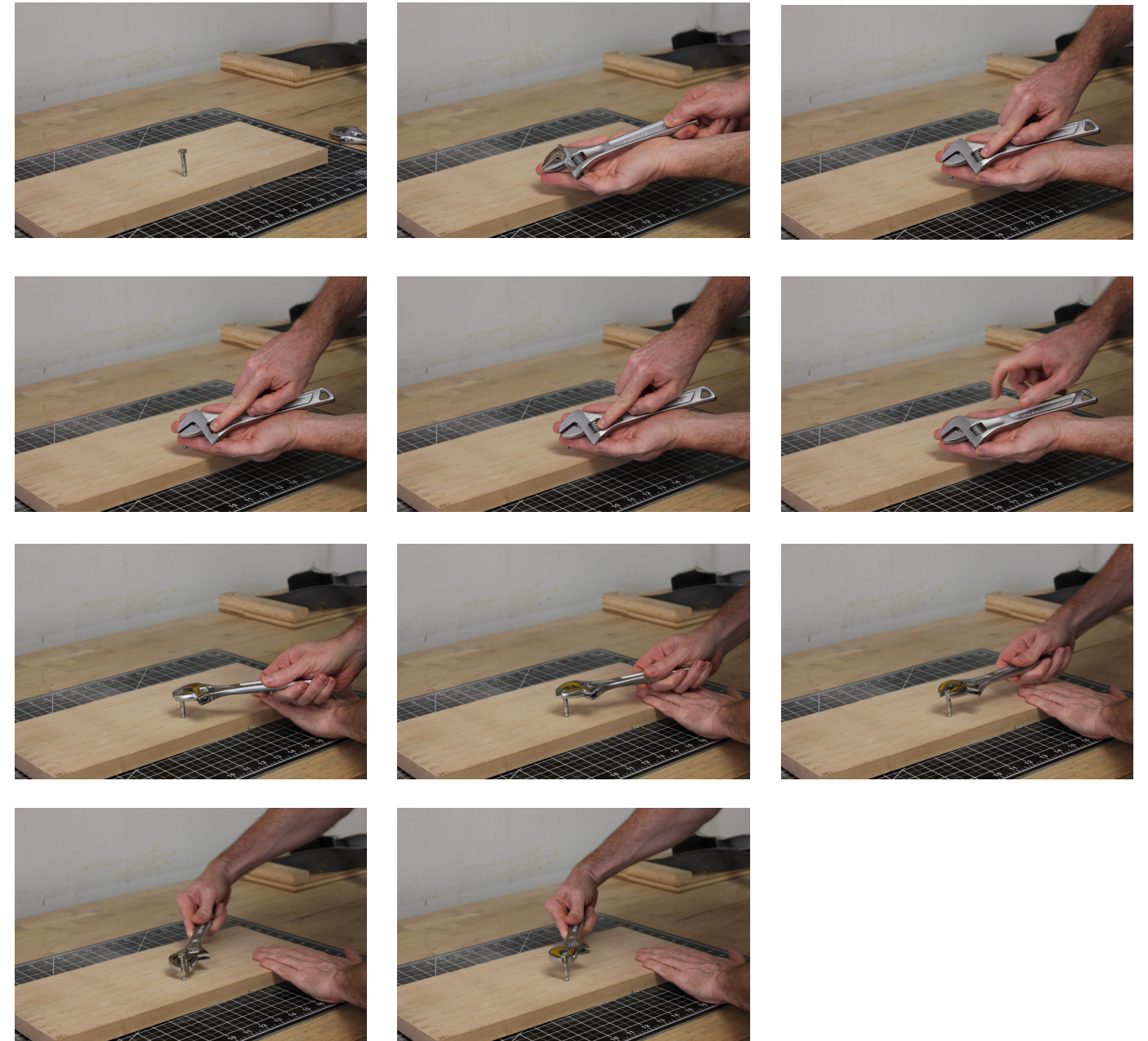
Tool Board



- Section 1 - Hack Saw, Coping Saw, Flush Cut Saw
- Section 2 - Plastic Mallet, Rubber Mallet, Hammer, Ruler
- Section 3 - Wood Glue, Drill bits
- Section 4 - Tape Measure, Rubber Sanding Block, Foam Sanding Block
- Section 5 - Box Cutter, Compass
- Section 6 - 1" Chisel, 3/4" Chisel, 1/2" Chisel
- Section 7 - Pliers, Adjustable Pliers, Needle Nose Pliers, Wire Cutters, Adjustable Wrench
- Section 8 - Chorded Drill
- Section 9 - Mini-Hack Saw, Tin Snips, Dowel Cutter, Scissors
- Section 10 - Phillips Head Screwdrivers, Straight Slot Screwdrivers
- Section 11 - Angle Finder, Sliding Square
- Section 12 - Glue Spreaders
- Section 13 - Files (Flat, Round, Triangle)
- Section 14 - Swanson Speed Square

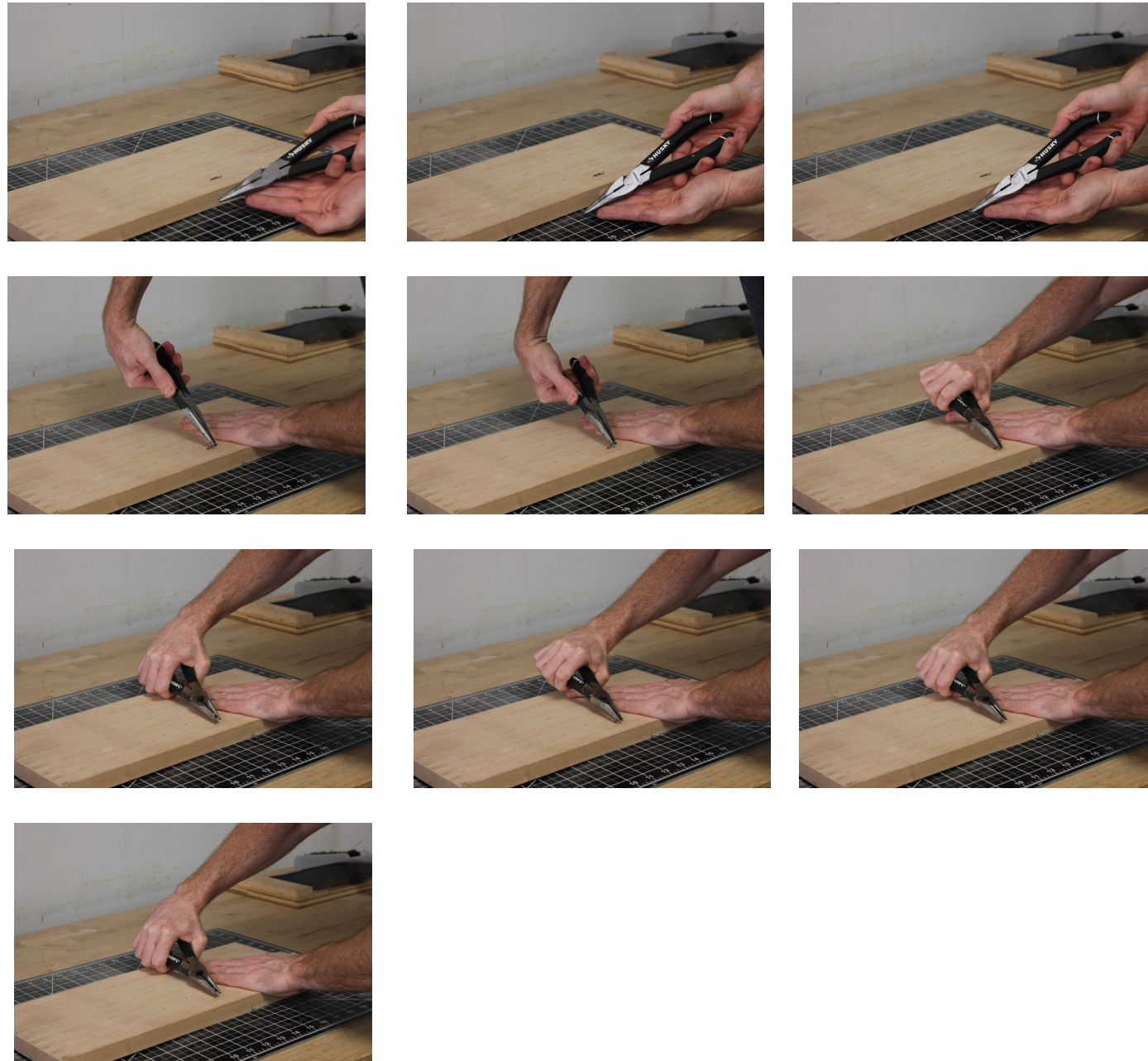
Adjustable Wrench

Section 7 - Adjust the wrench to the appropriate size and then use to remove a bolt.



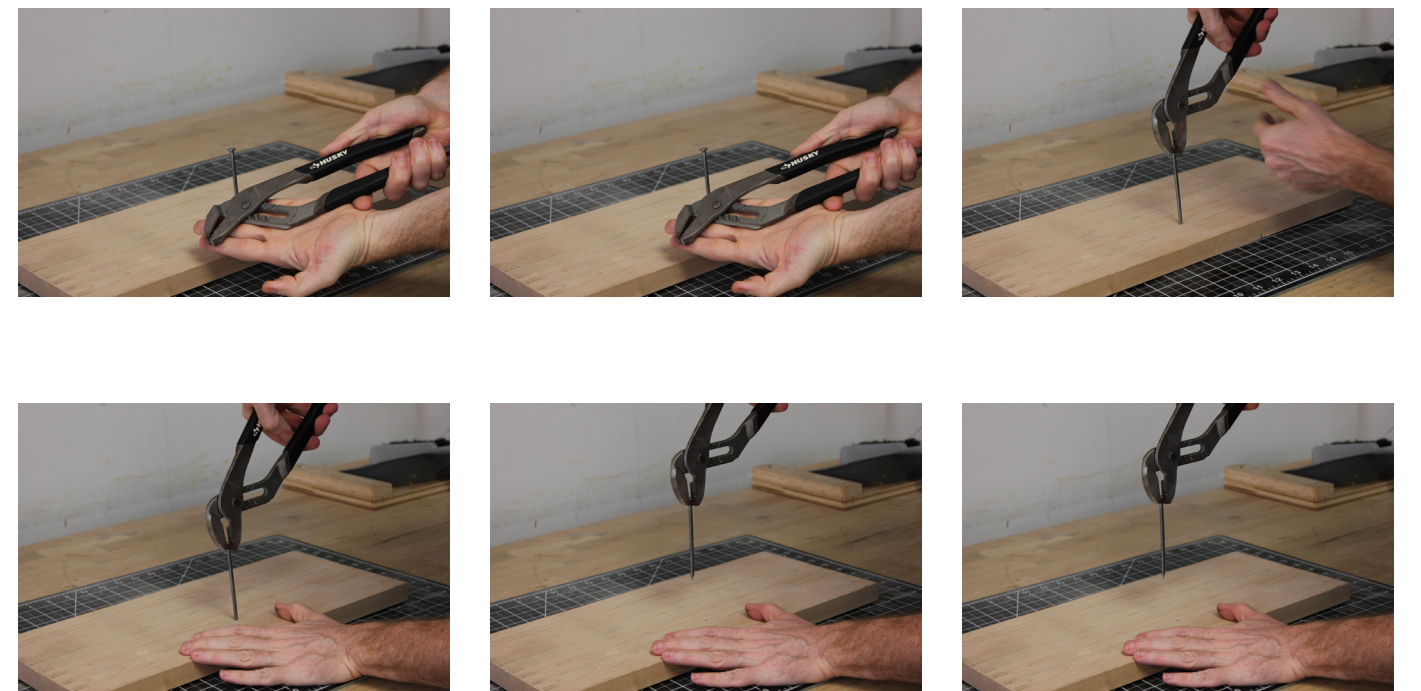
Needle Nose Pliers

Section 7 - Use pliers to remove smaller items or items that cannot be reached by a normal set of pliers.



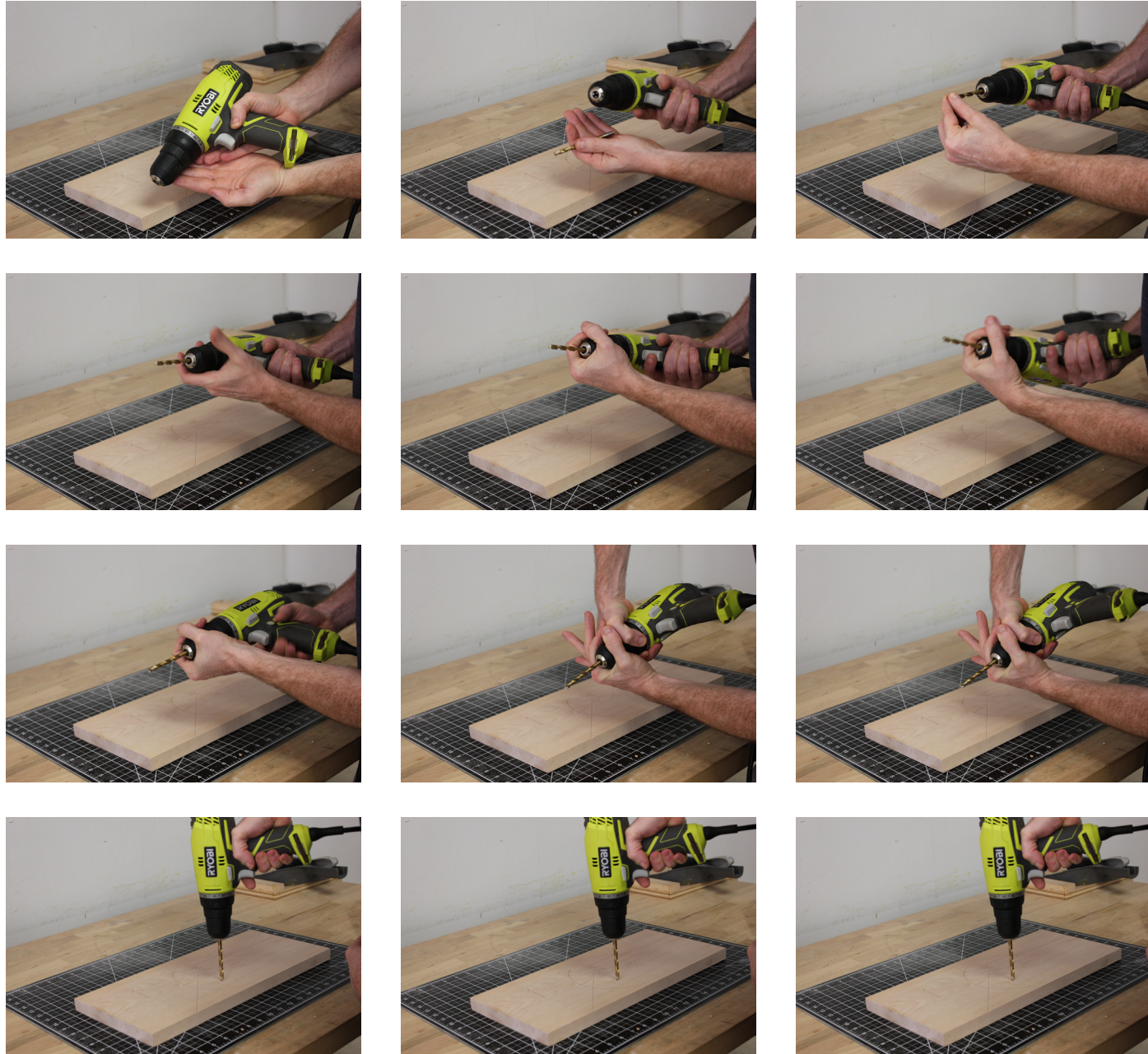
Adjustable Pliers

Section 7 - Open the pliers up to adjust them to be wider or narrower depending on the item being pulled.



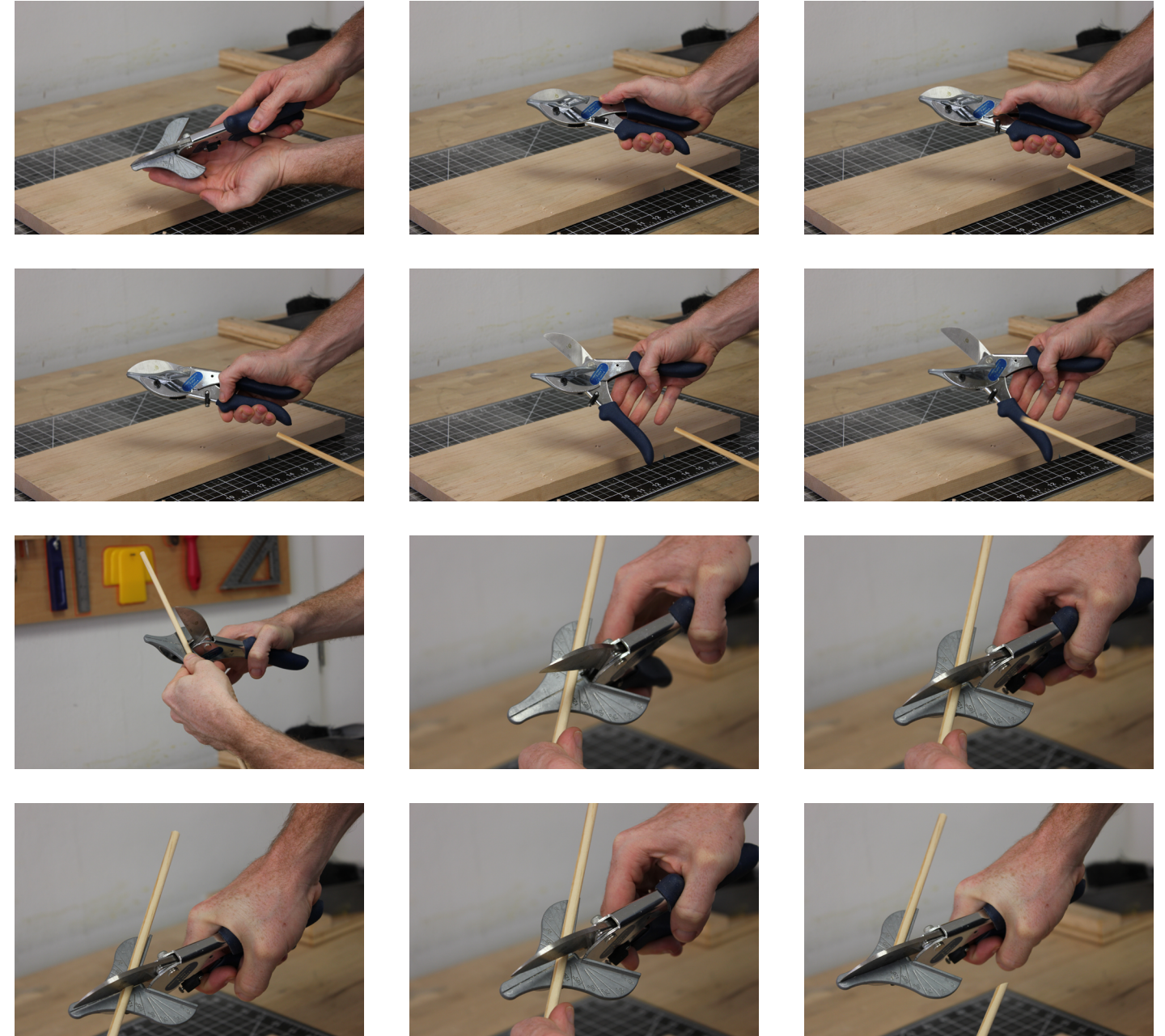
Corded Drill

Chorded drill – Section 8 - Open the drill head to insert a drill bit, then use to drill a hole.



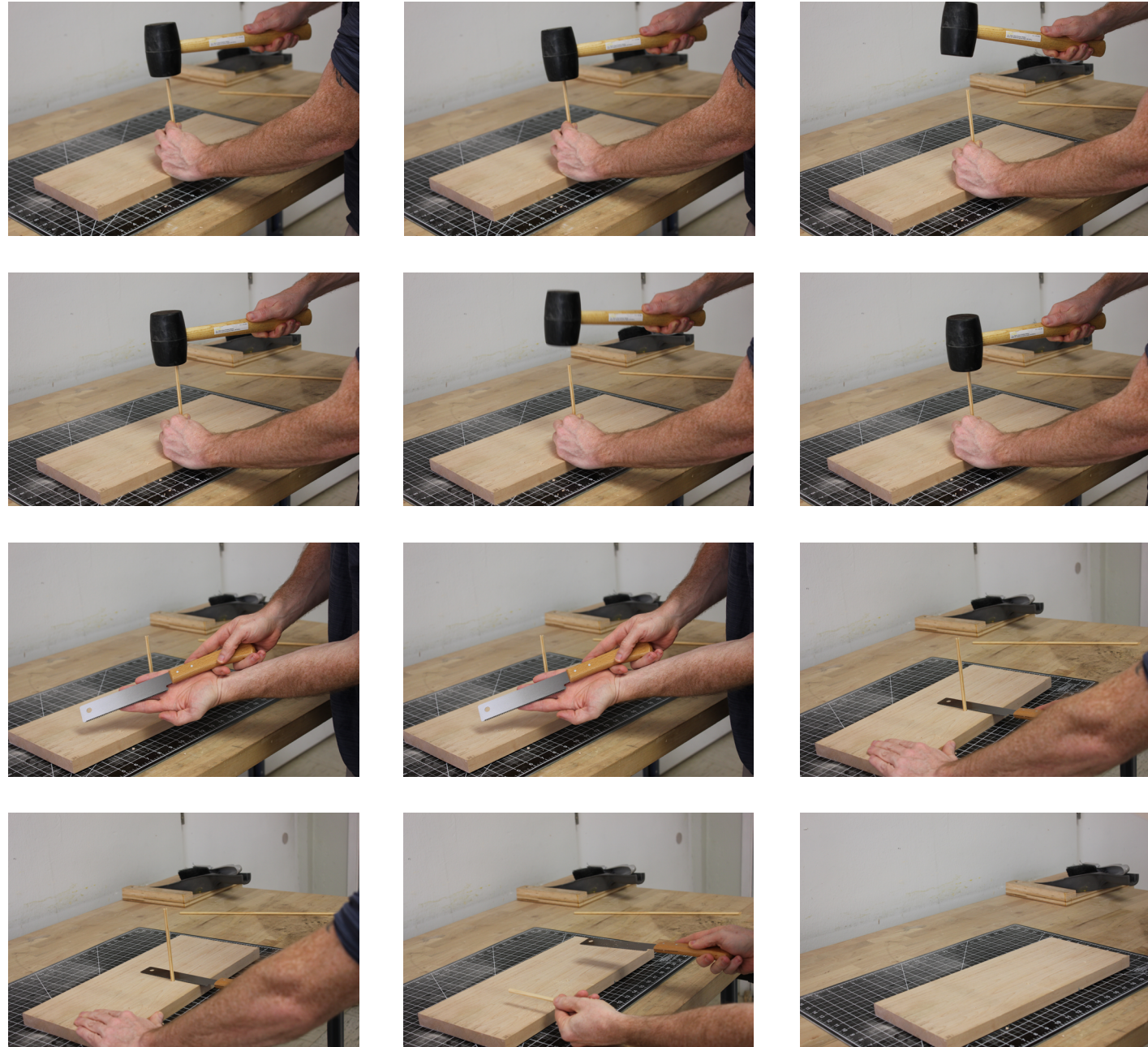
Dowel Cutter

Dowel cutter – Section 9 - Open the cutter to cut a dowel at a 45 degree angle.



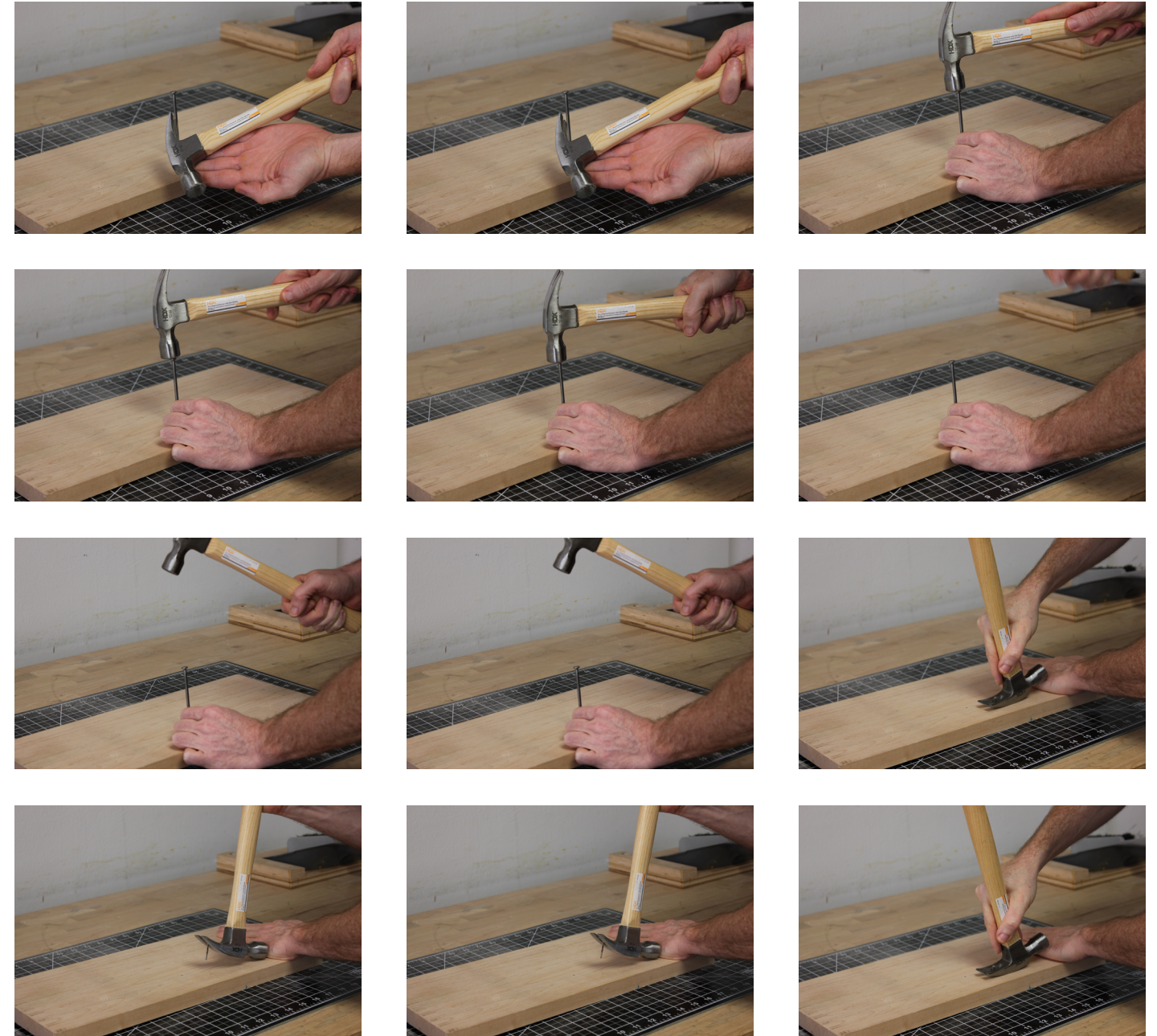
Mallet

Section 2 - Use the mallet to hammer dowel into hole already made.



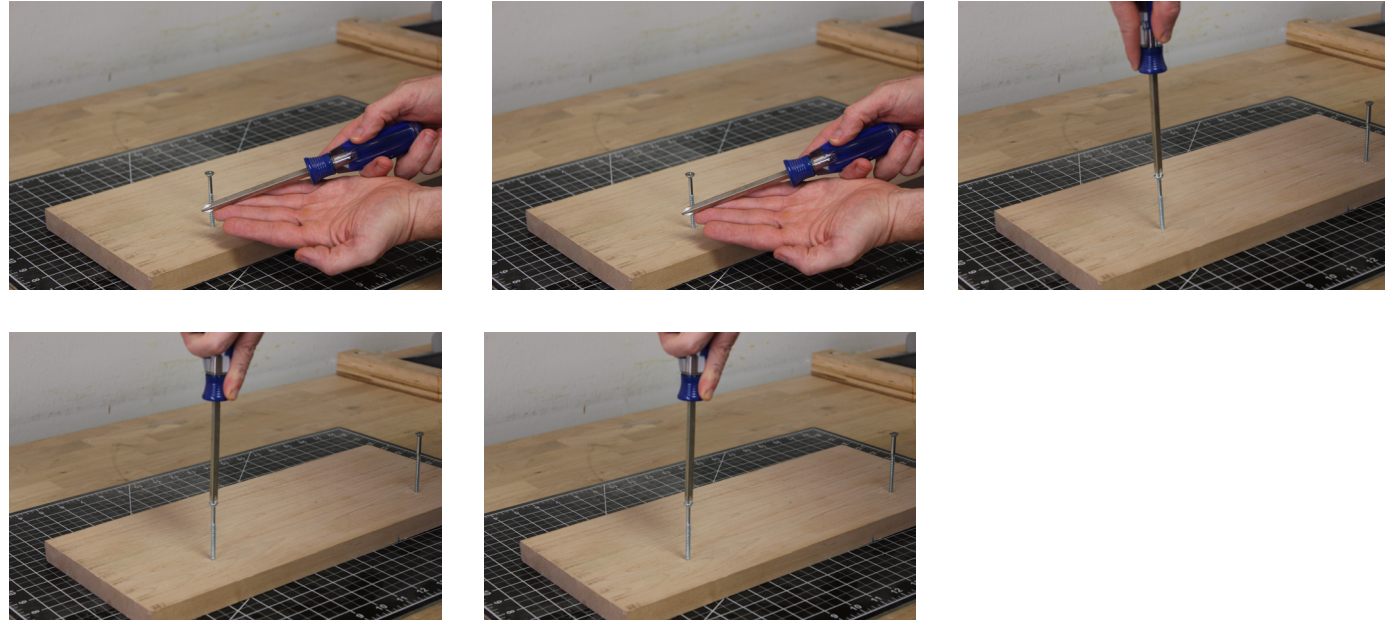
Hammer

Section 2 - Use the hammer to hammer a nail into a board. Then use the claw side of the hammer to remove a nail.



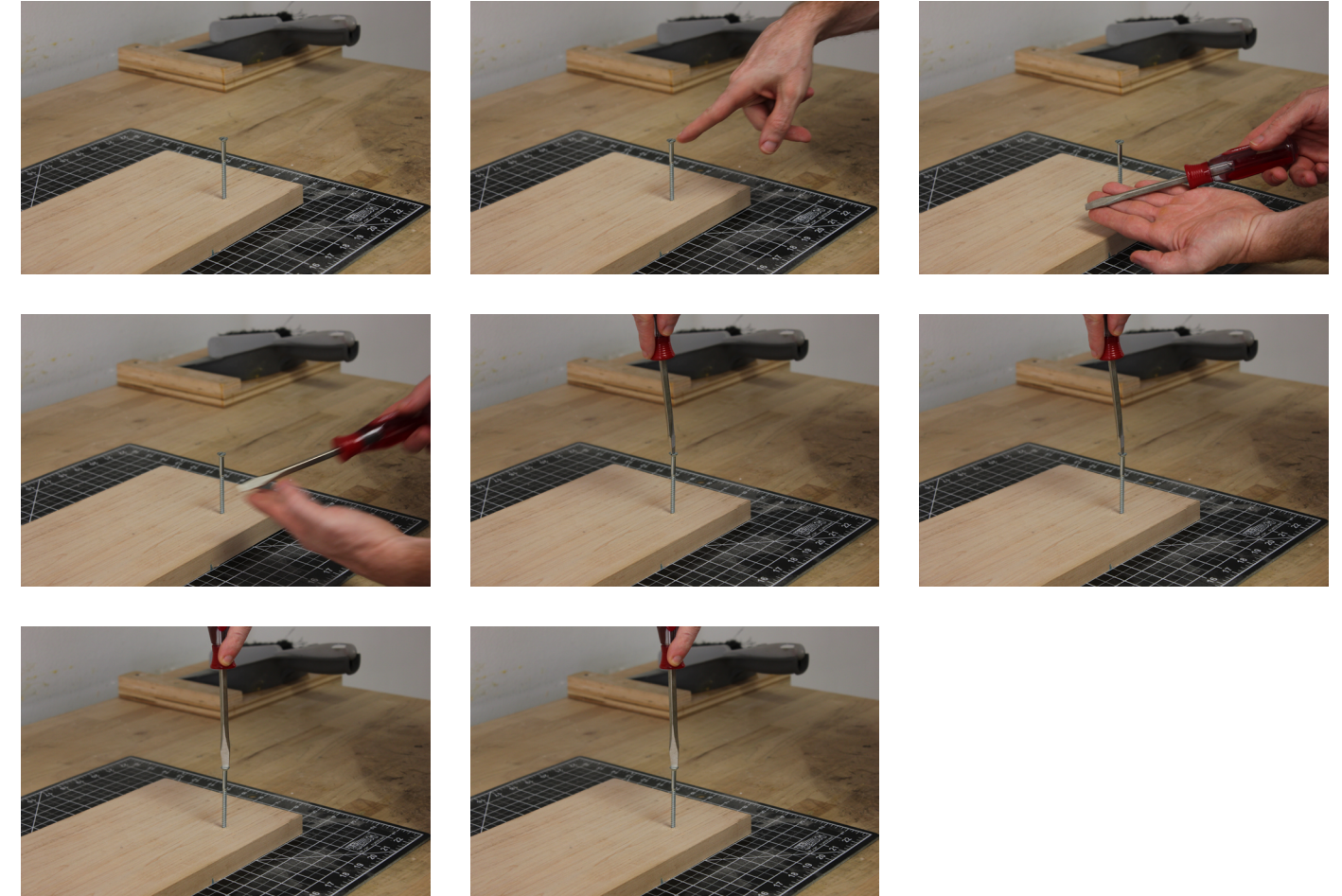
Phillips Head Screwdriver

Section 10 - Use phillips head screwdriver to remove phillips head screws.



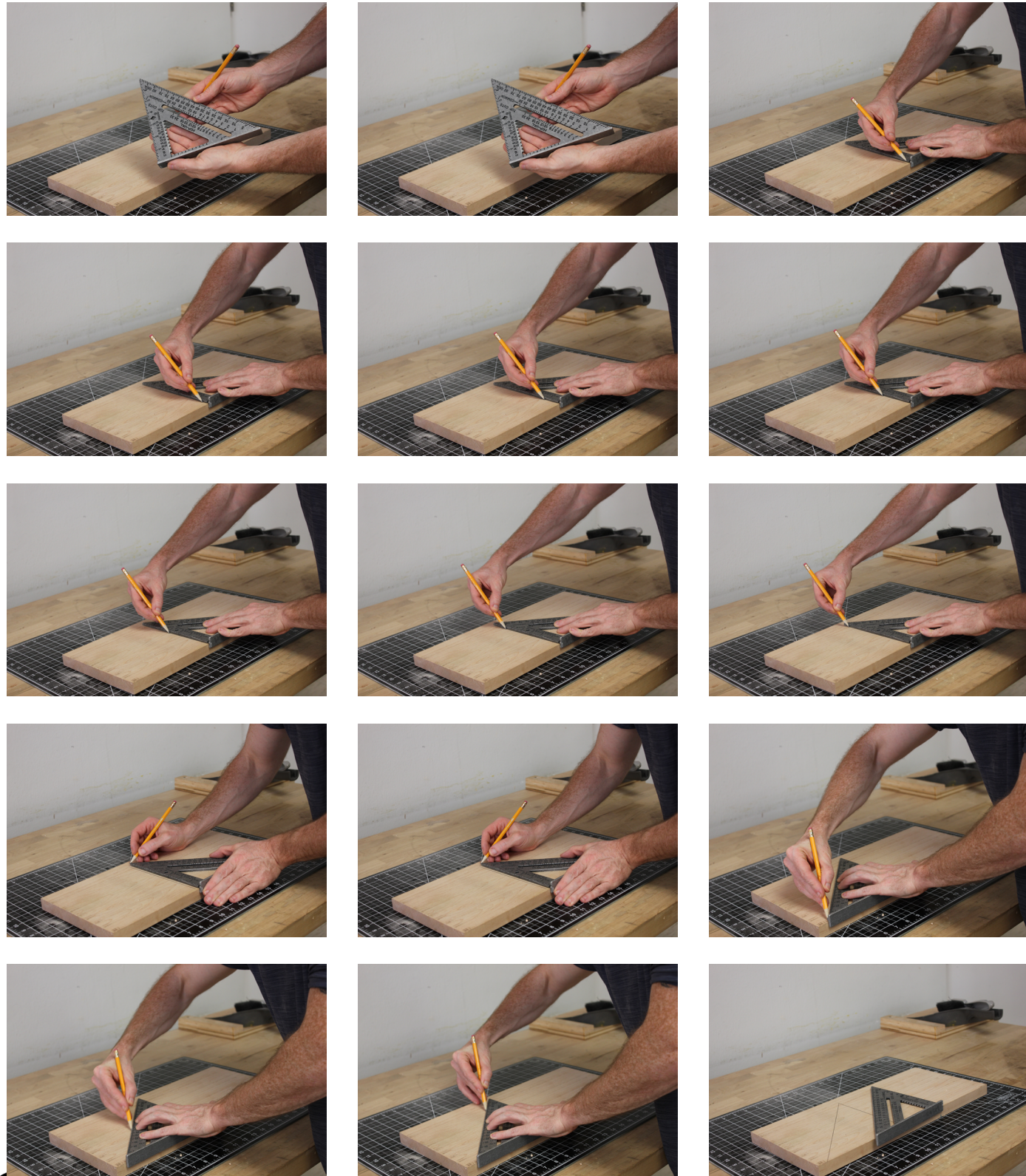
Straight Slot Screwdriver (Flathead)

Section 10 - Use the straight slot screwdriver to remove straight slot screws.



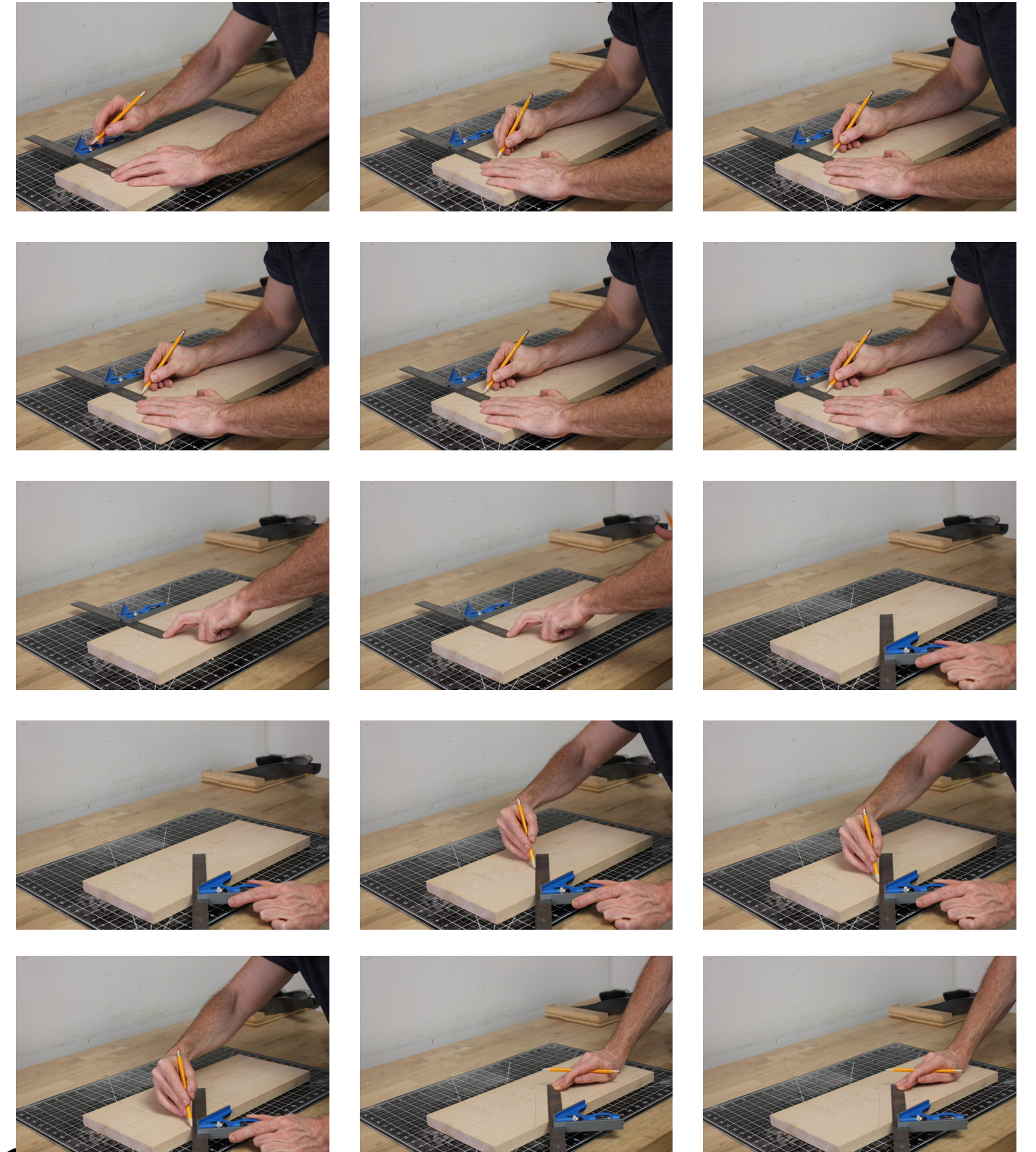
Swanson Speed Square

Section 14 - Use the speed square to make a line that is orthogonal to the edge of the board and then at a 45 degree angle to the edge of the board.



Sliding Square

Section 11 - Use the sliding square as a ruler and then to find a 45 degree angle.



Compass

Section 5 - Use the compass to make a circle.

