

JR AG MECHANICS HAND TOOL & EQUIPMENT ID

SCORE: _____

TEAM # _____

NAME: _____

SCHOOL: _____

Directions: Students will identify no more than 25 items from the following combined areas. Students will receive an appropriate score for each item depending on the amount of items presented. Students may be required to identify the item from actual samples, a photograph, a written description or a use of the items, such as work that needs a certain tool to be completed properly. Please write the corresponding NUMBER from the ID Sheet. (Example: Hacksaw = 151, so write 151 in the answer blank). Maximum of 50 pts may be earned.

1	_____	6	_____	11	_____	16	_____	21	_____
2	_____	7	_____	12	_____	17	_____	22	_____
3	_____	8	_____	13	_____	18	_____	23	_____
4	_____	9	_____	14	_____	19	_____	24	_____
5	_____	10	_____	15	_____	20	_____	25	_____

Boring Tools/Bits

- 101 Countersink Bit
- 102 Forstner Bit
- 103 Hand Drill
- 104 Ratchet Brace
- 105 Spade-Bore Bit
- 106 Twist Bit

Chisels and Punches

- 107 Center Punch
- 108 Cold Chisel
- 109 Nail Set
- 110 Pin Punch
- 111 Wood Chisel

Clamps/Vise

- 112 Bar Clamp
- 113 Bench Vise
- 114 C Clamp
- 115 Corner Clamp
- 116 Spring Clamp

Cutters

- 117 Aviation Cutters
- 118 Bolt Cutters
- 119 Diagonal Cutters
- 120 Sheet Metal Snips

Digging Tools

- 121 Hand Trowel
- 122 Mattock (Pick or Cutter)
- 123 Posthole Digger
- 124 Shovel
- 125 Spade

Layout Tools

- 126 Chalk Line Reel
- 127 Combination Square
- 128 Framing Square
- 129 Level
- 130 Plumb Bob
- 131 Rafter Angle Square
- 132 Sliding T-Bevel
- 133 Try Square

Hammers

- 134 Ball-Peen Hammer
- 135 Blacksmith's or Engineer's Hammer
- 136 Curved Claw Hammer
- 137 Rubber Mallet
- 138 Sledgehammer
- 139 Straight Claw Hammer
- 140 Welding/Chipping Hammer

Measuring Tools

- 141 Dial Caliper
- 142 Micrometer
- 143 Tape Measure
- 144 Thickness (Feeler) Gauge

Pliers

- 145 Groove-Joint Pliers
- 146 Lineman's Pliers
- 147 Locking Pliers
- 148 Long Nose Pliers
- 149 Slip-Joint Pliers
- 150 Welder Helper Pliers

Saws

- 151 Hacksaw
- 152 Handsaw

Screwdrivers

- 153 Flat Screwdriver
- 154 Phillips Screwdriver
- 155 Square Drive Screwdriver
- 156 Star Shaped Screwdrivers

Wrecking/Prying Tools

- 157 Crowbar
- 158 Flat Wrecking/Ripping Bar
- 159 Nail Claw

Wrenches/Socket

- 160 Adjustable Wrench
- 161 Allen Wrenches
- 162 Box End Wrench
- 163 Combination Wrenches
- 164 Deep-Well Socket
- 165 Drive (Socket) Extensions
- 166 Drive Adapter
- 167 Nut Driver
- 168 Open-End Wrenches
- 169 Pull (Flex) Handle
- 170 Ratchet Handle
- 171 Socket
- 172 Socket Universal Joint
- 173 Spark Plug Sockets
- 174 Speed Handle
- 175 Torque Wrench

Electrical

- 176 Cable Splicer Knife
- 177 Circuit Breaker
- 178 Circuit Tester
- 179 Device Box
- 180 Digital Multimeter
- 181 Duplex Receptacle
- 182 Electrical Conductor
- 183 Keyless Lamp
- 184 Switch
- 185 Wire Strippers

Small Engines

- 186 Camshaft
- 187 Crankshaft
- 188 Cylinder Hone
- 189 Flywheel Holder/Strap Wrench
- 190 Gear Puller
- 191 Piston
- 192 Ring Compressor
- 193 Ring Expander
- 194 Spark Tester
- 195 Valve
- 196 Valve Lapper
- 197 Valve Spring Compressor

Welding

- 198 Cutting Torch Tip
- 199 Gas Metal Arc Welder
- 200 Shielded Metal Arc Welder
- 201 Spark Lighter
- 202 Tip Cleaners
- 203 Welding Gloves
- 204 Welding Goggles
- 205 Welding Helmet
- 206 Welding Torch Tip