

# Job Hazard Analysis

JHA Name: Scroll Saw

Assessment Date: 06-24-14

Revision Date: 05-19-17

Building or Location: Faribault Campus

Department or Program: Carpentry

Description of Individual Tasks or Assignments: Cutting & Trimming Arbitrary Curves in Wood or Similar  
Material, other materials (metal, cement board, etc.)

Tools, Equipment, or Machinery Used when Performing Task: Scroll Saw

	Hazard Type(s) Associated with Task or Assignment:	Check for Exposure:	Specific Hazard Exposure:	Check if Exposure Recommends or Requires a Style of PPE?
1	<b>Impact</b> <u>Example:</u> Person(s) can strike an object, or be struck by a moving or flying/falling object (e.g., fragments, chips, particles, sand, dirt/debris).	X	Potential exposure to flying fragments, particles and debris generated from cutting (e.g., injuries to eyes), potential exposure to workpiece kickback (e.g., injuries to head, torso, extremities)	X
2	<b>Penetration or Cut</b> <u>Example:</u> Person(s) can strike an object, be struck by an object, or fall upon an object or tool that would cut or otherwise break the skin.	X	Potential exposure to bladed/cutting equipment (e.g., injuries to hands, arms, legs), potential exposure to wood splinters/splinters (e.g., injuries to fingers, hands)	X
3	<b>Crush or Pinch</b> <u>Example:</u> An object(s) or equipment/machine may crush or pinch a body or body part	X	Potential exposure to crushing and pinching hazard from dropping lumber (e.g., injuries to feet) or pinch points created by cutting curves in wood.	X
4	<b>Chemical or Harmful Dust</b> <u>Example:</u> Exposure to chemicals (i.e., hazardous substances and harmful physical agents), infectious agents from spills, splashing, physical contact, and/or exposure to r pin	X	Potential exposure to nuisance dusts (e.g., respiratory irritation/discomfort)	X
5	<b>Heat</b>			
6	<b>Light (optical) Radiation</b> <u>Example:</u> Exposure to strong light sources, glare, or intense light exposure which is a byproduct or a process. Note: "This category may also include hazards presented from lack of light (e.g., working in dark spaces/areas)."			
7	<b>Electrical Contact</b> <u>Example:</u> Exposure, contact, or proximity to live or potentially live electrical objects.	X	Damaged or frayed electrical cords would pose an electrical hazard. Working in wet conditions could pose and electrocution hazard.	
8	<b>Ergonomic/ Human Factors</b> <u>Example:</u> Working in cramped spaces, repetitive movements, awkward postures, vibration, heavy lifting, etc. Note: "This category may also include unique hazards presented from tasks that require demanding or challenging degrees of mental and/or physical effort to be exerted by an individual. See <i>Physical Effort Definition/Examples</i> category for further explanation of physical effort."	X	Potential exposure to repetitive movements, lifting light to moderately heavy loads, and bending/twisting (when moving lumber) (e.g., Muscular Skeletal Disorders)	X
9	<b>Environmental</b> <u>Example:</u> Exposure to noisy environments, hot or cold work environments, poor weather conditions, working at a height, and any other conditions in the workplace that could cause danger, discomfort, and/or negative health effects.	X	Potential exposure to loud/prolonged noise (scroll saw)	X

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**Tools, Equipment, or Machinery** Scroll Saw  
**Used when Performing Task:**