Nebraska CTE

Manufacturing Production - Woods

Apply safety principles, practices, philosophy, and guidelines to the work environment. STS.HS.26.1	**a** Complete applicable safety assessment with 100% accuracy. STS.HS.26.1.A
	b Employ appropriate Personal Protective Equipment (PPE) while in the lab setting. STS.HS.26.1.B
	c Employ eye protection in compliance with Neb. Rev. Statute 79–715. STS.HS.26.1.C
	d Employ the safe application of tools and machines. STS.HS.26.1.D
	e Explain the main hazards that are possible in the lab setting. STS.HS.26.1.E
	f Demonstrate proper handling and storing of materials and chemicals. STS.HS.26.1.F
Execute accurate measurements using woodworking measurement and layout tools. STS.HS.26.2	**a** Identify types of woodworking measurement and layout tools. STS.HS.26.2.A
	b Categorize woodworking measurement and layout tools by use. STS.HS.26.2.B
	c Demonstrate the accurate use of measurement and layout tools to 1/16" precision. STS.HS.26.2.C
Solve math functions and formulas to complete woodworking job/workplace tasks. STS.HS.26.3	**a** Identify whole numbers, decimals, fractions, and complex numbers. STS.HS.26.3.A
	b Apply basic arithmetic operations. STS.HS.26.3.B
	c Solve decimal and fraction conversions. STS.HS.26.3.C
Identify career opportunities in the wood manufacturing industry. STS.HS.26.4	**a** Describe work behaviors needed to be employable. STS.HS.26.4.A
	b Describe appropriate work behavior that meets or exceeds wood manufacturing industry standards. STS.HS.26.4.B
	c Identify the education, certification, or licensure required in wood manufacturing areers. STS.HS.26.4.C

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	d Identify the value that may be added to the community by wood manufacturing professionals. STS.HS.26.4.D
	e Identify the industry standard compensation for a wood manufacturing professional. STS.HS.26.4.E
Demonstrate the use of wood manufacturing communications. STS.HS.26.5	**a** Define wood manufacturing terminology. STS.HS.26.5.A
	b Estimate manufacturing timelines based on criteria. STS.HS.26.5.B
	c Utilize business and interpersonal communication appropriate to the work environment. STS.HS.26.5.C
Select the materials, tools, machines, and processes required to manufacture a wood product. STS.HS.26.6	**a** Identify the origins, characteristics, and properties of softwoods. STS.HS.26.6.A
	b Identify the origins, characteristics, and properties of hardwoods. STS.HS.26.6.B
	c Categorize fasteners by their industry standard applications. STS.HS.26.6.C
	d Differentiate between various types of mechanical and chemical fasteners. STS.HS.26.6.D
	e Estimate amount of materials and supplies needed for a wood product. STS.HS.26.6.E
	f Explain the operation and application of common industry finishes. STS.HS.26.6.F
	g Assess potential environmental and health impacts of using specific materials or processes. STS.HS.26.6.G
	h Determine the correct tools and machines needed to produce a specific wood product. STS.HS.26.6.H
Manufacture a production level product that uses wood as its primary material. STS.HS.26.7	**a** Interpret plans, drawings, and specifications to process materials. STS.HS.26.7.A
	b Coordinate the standard operation and application of tools and machines along the manufacturing process. STS.HS.26.7.B
	c Plan and apply the type of materials, fasteners, adhesives, and finishes required to manufacture a specific product. STS.HS.26.7.C
	d Critique a finished product. STS.HS.26.7.D
	e Appraise the manufacturing process for streamlining opportunities. STS.HS.26.7.E