Nebraska CTE

Manufacturing Processes - Woods

Apply safety principles, practices, philosophy, and guidelines to the work environment. STS.HS.23.1	**a** Complete applicable safety assessment with 100% accuracy. STS.HS.23.1.A
	b Employ appropriate Personal Protective Equipment (PPE) while in the lab setting. STS.HS.23.1.B
	c Employ eye protection in compliance with Neb. Rev. Statute 79-715. STS.HS.23.1.C
	d Employ the safe application of tools and machines. STS.HS.23.1.D
	e Explain the main hazards that are possible in the lab setting. STS.HS.23.1.E
	f Demonstrate proper handling and storing of materials and chemicals. STS.HS.23.1.F
Identify career opportunities in woodworking areas. STS.HS.23.2	**a** Identify responsibilities and characteristics of professionals in a woods industry. STS.HS.23.2.A
	b Describe work behaviors needed to be employable in a woods industry. STS.HS.23.2.B
	c Identify the training, education, certification, and licensing requirements for various careers in a woods industry. STS.HS.23.2.C
	d Identify high wage, high demand, and high skill careers in woodworking. STS.HS.23.2.D
Demonstrate accurate measurements using measurement tools used in woods. STS.HS.23.3	**a** Identify types of woods measurement tools. STS.HS.23.3.A
	b Explain woods measurement tools by use. STS.HS.23.3.B
	c Demonstrate the accurate use of woods measurement and layout tools to 1/16" precision. STS.HS.23.3.C
Solve math functions and formulas to co[illegible] ma[illegible] tas[illegible]	**a** Identify whole numbers, decimals, fractions, and complex numbers. STS.HS.23.4.A
	b [illegible]pply basic arithmetic operations used in woods manufacturing. STS.HS.23.4.B

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	c Solve decimal/fraction conversions used in woods manufacturing. STS.HS.23.4.C
Explain the use of woods manufacturing communications. STS.HS.23.5	**a** Define woods manufacturing terminology. STS.HS.23.5.A
	b Explain the language of wood manufacturing. STS.HS.23.5.B
	c Explain business and interpersonal communication appropriate to the work in the woods manufacturing environment. STS.HS.23.5.C
Determine the materials, tools, machines, and processes required to manufacture a woods product. STS.HS.23.6	**a** Identify the characteristics, properties, and origin of diverse woods. STS.HS.23.6.A
	b Differentiate additive and subtractive woods manufacturing. STS.HS.23.6.B
	c Identify woods fasteners by their industry standard applications. STS.HS.23.6.C
	d Determine feed rate and/or speed settings for a wood material and process. STS.HS.23.6.D
	e Explain the operation and application of common woods industry chemicals. STS.HS.23.6.E
	f Determine the correct tools, machines, and processes needed to produce a specific wood product. STS.HS.23.6.F
	g Estimate the amount of materials and supplies needed to manufacture a wood product. STS.HS.23.6.G
Manufacture a product that uses wood as its primary material. STS.HS.23.7	**a** Interpret plans, drawings, and specifications to process wood materials. STS.HS.23.7.A
	b Employ the standard operation and application of tools and machines along the wood manufacturing process. STS.HS.23.7.B
	c Employ the process of applying the correct types of materials, fasteners, adhesives, and finishes required to manufacture a specific wood product. STS.HS.23.7.C
	d Critique a finished product. STS.HS.23.7.D
	e Appraise the manufactured product. STS.HS.23.7.E