Nebraska CTE

Introduction to Skills and Technical Sciences

Apply safety principles, practices, philosophy, and guidelines to the work environment. STS.HS.19.1	**a** Complete applicable safety assessment with 100% accuracy. STS.HS.19.1.A
	b Employ appropriate Personal Protective Equipment (PPE) while in the lab setting. STS.HS.19.1.B
	c Employ eye protection in compliance with Neb. Rev. Statute 79-715. STS.HS.19.1.C
	d Employ the safe application of tools and machines. STS.HS.19.1.D
	e Explain the main hazards that are possible in the lab setting. STS.HS.19.1.E
	f Demonstrate proper handling and storing of materials. STS.HS.19.1.F
Identify career opportunities in Skilled and Technical Sciences areas. STS.HS.19.2	**a** Identify responsibilities and characteristics of professionals in a skilled and technical sciences industry. STS.HS.19.2.A
	b Describe work behaviors needed to be employable in a skilled and technical sciences industry. STS.HS.19.2.B
	c Identify the training, education, certification, and licensing requirements for various careers in a skilled and technical sciences industry. STS.HS.19.2.C
	d Identify high wage, high demand, and high skill careers in skilled and technical sciences. STS.HS.19.2.D
Apply appropriate academic and technical skills to produce a product. STS.HS.19.3	**a** Employ project-related math operations and formulas. STS.HS.19.3.A
	b Employ effective verbal, written, and/or visual communication skills. STS.HS.19.3.B
	c Define course content vocabulary. STS.HS.19.3.C
	d Conduct the accurate use of measurement tools STS.HS.19.3.D
Identify the materials, tools, machines, and eq	**a** Identify types of materials to be used for various products. STS.HS.19.4.A
	dentify types of fasteners for various products. STS.HS.19.4.B

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produce a product. STS.HS.19.4	**c** Identify types of adhesives for various products. STS.HS.19.4.C
	d Identify types of finishes for various products. STS.HS.19.4.D
	e Identify the correct tools, machines, and equipment appropriate for a specific operation or process. STS.HS.19.4.E
Produce a product(s). STS.HS.19.5	**a** Interpret working drawings of a product to be produced. STS.HS.19.5.A
	b Select the proper materials adhesives, fasteners and finishes for a product. STS.HS.19.5.B
	c Demonstrate the proper tool, machine, or equipment selection and usage for each corresponding operation needed to produce a product. STS.HS.19.5.C
	d Execute a plan of procedure. STS.HS.19.5.D