Nebraska CTE

Introduction to Electronics

Apply safety principles, practices, philosophy, and guidelines to the work environment. STS.HS.17.1	**a** Complete applicable safety assessment with 100% accuracy. STS.HS.17.1.A
	b Employ appropriate Personal Protective Equipment (PPE) while in the lab setting. STS.HS.17.1.B
	c Employ eye protection in compliance with Neb. Rev. Statute 79–715. STS.HS.17.1.C
	d Employ the safe application of tools and machines. STS.HS.17.1.D
	e Explain the main hazards that are possible in the lab setting. STS.HS.17.1.E
	f Demonstrate proper handling and storing of materials and chemicals. STS.HS.17.1.F
Identify career opportunities in the electronics industry. STS.HS.17.2	**a** Describe work behaviors needed to be employable. STS.HS.17.2.A
	b Identify employment trends in various electronics industries. STS.HS.17.2.B
	c Identify the responsibilities and characteristics of professionals in the electronics industry. STS.HS.17.2.C
	d Identify the training, education, certification, and licensing requirements for various careers in the electronics industry. STS.HS.17.2.D
Employ electronic terminology, symbols, laws, and equipment. STS.HS.17.3	**a** Identify proper electronic terminology and symbols. STS.HS.17.3.A
	b Compute the Laws of Electronics (i.e., Ohms, Watts, Kirchhoff's). STS.HS.17.3.B
	c Identify and operate basic electronic equipment. STS.HS.17.3.C
Classify components and their uses in electronic circuits. STS.HS.17.4	**a** Identify connections and components in electronic circuits. STS.HS.17.4.A
	b Explain the purpose of individual components in electronic circuits. STS.HS.17.4.B
	c Explain how individual components will affect the function of a circuit. STS.HS.17.4.C
De ele	Skip to main content **llustrate locations and order for components in a functioning electronic ircuit.** STS.HS.17.5.A

circuits. STS.HS.17.5

b **Construct circuits that function in the way they are designed.** STS.HS.17.5.B

c **Move and replace components to change the function of an electronic circuit.** STS.HS.17.5.C