Nebraska CTE

Residential Electrical Wiring

Apply safety principles, practices, philosophy, and guidelines to the work environment. STS.HS.29.1	a	**Complete applicable safety assessment with 100% accuracy.** STS.HS.29.1.A
	b	**Employ appropriate Personal Protective Equipment (PPE) while in the lab setting.** STS.HS.29.1.B
	c	**Employ eye protection in compliance with Neb. Rev. Statute 79–715.** STS.HS.29.1.C
	d	**Employ the safe application of tools and machines.** STS.HS.29.1.D
	e	**Explain the main hazards that are possible in the lab setting.** STS.HS.29.1.E
	f	**Demonstrate proper handling and storing of materials.** STS.HS.29.1.F
	g	**List the techniques and practices used to prevent fires.** STS.HS.29.1.G
Identify career opportunities in the electrical industry. STS.HS.29.2	a	**Describe work behaviors needed to be employable.** STS.HS.29.2.A
	b	**Identify employment trends in the electrical industry.** STS.HS.29.2.B
	c	**Identify the responsibilities and characteristics of professionals in the electrical industry.** STS.HS.29.2.C
	d	**Identify the training, education, certification, and licensing requirements for careers in the electrical industry.** STS.HS.29.2.D
Demonstrate the use of electrical communications. STS.HS.29.3	a	**Recall vocabulary related to the electrical environment.** STS.HS.29.3.A
	b	**Apply math calculations for measurements and OHM'S law.** STS.HS.29.3.B
	c	**Interpret electrical symbols, plans, drawings, and codes.** STS.HS.29.3.C
Demonstrate the proper uses of electrical components. STS.HS.29.4	a	**Employ National Electric Code (NEC) standards when wiring electrical components.** STS.HS.29.4.A
	b	**Demonstrate the rough-in of electrical devices to meet NEC standards.** STS.HS.29.4.B
	c	**Demonstrate the connection of electrical devices to meet NEC standards.** STS.HS.29.4.C

Skip to main content

	d Demonstrate the installation of electrical devices to meet NEC standards. STS.HS.29.4.D
Demonstrate the use of materials, tools, and equipment needed in electricity. STS.HS.29.5	**a** Demonstrate the proper use of electrical tools and equipment. STS.HS.29.5.A
	b Identify the different types of wires used for electricity. STS.HS.29.5.B
	c Demonstrate the proper use of electrical hardware. STS.HS.29.5.C
	d Demonstrate the proper use of low and high voltage circuits. STS.HS.29.5.D