Unit 10 Electrical

Content Area: 21st Century Life & Careers

Course(s): Generic Course
Time Period: Marking Period 1
Length: 6-8 Weeks
Status: Published

Unit Introduction

Standards

9.3.12.AC.1	Use vocabulary, symbols and formulas common to architecture and construction.
9.3.12.AC.6	Read, interpret and use technical drawings, documents and specifications to plan a project.
9.3.12.AC-CST.9	Safely use and maintain appropriate tools, machinery, equipment and resources to accomplish construction project goals.
ARCH.9-12.9.4.12.B.(1).10	Demonstrate understanding of principles, conventions, standards, applications, and restrictions pertaining to the manufacture and use of construction materials, components, and assemblies, and incorporate this understanding into project design.
ARCH.9-12.9.4.12.B.(1).11	Apply basic organizational, spatial, structural, and constructional principles to the design of interior and exterior space so that design plans are effective.
ARCH.9-12.9.4.12.B.74	Read, interpret, and use technical drawings, documents, and specifications to plan a project.
STEM.9-12.9.4.12.O.2	Demonstrate mathematics knowledge and skills required to pursue the full range of postsecondary education and career opportunities.
STEM.9-12.9.4.12.O.30	Employ computer operations applications to manage tasks.

Essential Questions

- 1. How is electricity used in our world?
- 2. What types of materials are conductors of electricity and what materials are not conductors (insulators)?

Content / Skills

Textbooks: Carpentry and Building Construction

Skills (See Below):

- brainstorming/modelstorming
- craftmanship
- design process
- dimensioning
- Layout
- math operations
- measurement
- safety
- teamwork
- visualization