

Unit 08 Roofing

Content Area: **21st Century Life & Careers**
Course(s): **Generic Course**
Time Period: **Generic Time Period**
Length: **Weeks**
Status: **Published**

Unit Introduction

Standards

ARCH.9-12.9.4.12.B.(2).15	Demonstrate knowledge of proper changeover procedures for successful completion of a construction project.
ARCH.9-12.9.4.12.B.(2).16	Examine building systems and components to evaluate their usefulness to construction projects.
ARCH.9-12.9.4.12.B.(2).17	Use craft skills to meet or exceed teacher and/or employer expectations.
ARCH.9-12.9.4.12.B.(3).1	Recognize and employ universal construction signs and symbols to function safely.
ARCH.9-12.9.4.12.B.(3).3	Apply construction skills when completing classroom projects and/or repairing, restoring, or renovating existing worksite structures to ensure long-term use of buildings and structures.
ARCH.9-12.9.4.12.B.(3).4	Evaluate and assess an existing structure to determine the repairs or renovations required to restore operation of the structure.

Essential Questions

What do you look for in a shingle?

What type of shingles can you use on a House?

Content / Skills

Students will learn general safety practice and how to operate handtools, power tools and machinery safety skillfully.

- Dimensional Shingles vs three tab
- Drip Edge
- 15lb Felt
- Staple gun
- Flashing
- Valley
- Peak

- Hip
- Capping
- Chalk Line
- Roofing Nails
- Weather Stripping
- 5" gaps
- Step Off

Skills (See Below - two sections)

- Laying out Chalk Lines
- Stagger Method
- Nailing Method
- Repairing a Roof
- New Roof

- Capping
- Chalk line
- Drip Edge
- Felt
- Hip, Valley and Jack Rafters
- Hip, Valley and Jacks
- Nailing
- Rafters
- Ridges
- Roof Framing Material
- Roofing Vent
- Scaffolding system
- Stagger Method/Step off