

Unit 03 Building Materials

Content Area: **21st Century Life & Careers**
Course(s): **Generic Course**
Time Period: **Generic Time Period**
Length: **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.2 | Use architecture and construction skills to create and manage a project. |
| 9.3.12.AC-CST | Construction |
| 9.3.12.AC-CST.5 | Apply practices and procedures required to maintain jobsite safety. |
| 9.3.12.AC-CST.6 | Manage relationships with internal and external parties to successfully complete construction projects. |
| 9.3.12.AC-CST.7 | Compare and contrast the building systems and components required for a construction project. |
| 9.3.12.AC-CST.8 | Demonstrate the construction crafts required for each phase of a construction project. |
| 9.3.12.AC-DES | Design/Pre-Construction |
| CAEP.9.2.12.C | Career Preparation |
| CAEP.9.2.12.C.1 | Review career goals and determine steps necessary for attainment. |
| CAEP.9.2.12.C.3 | Identify transferable career skills and design alternate career plans. |

Essential Questions

What can you build with framing lumber?

What type of material can you use to build a shed, house or building?

What type of fasteners can you use to construct a house?

Content / Skills

- 2x4,2x6,2x8,2x10,2x12 framing lumber
- Pine
- Sheathing 4x8 ,1/2",5/8" 3/4"
- Walnut
- Siding
- Poplar

- Headers
- 1/8" Luan
- Cripples
- Nails/Screws
- Top plate and bottom plate
- Scaffolding
- Break
- Ladders
- Aluminum Coil Stock
- Pressure Treated Lumber
- T-1 11 8" groove Plywood
- 1x4 x 8 trim
- 1x6x8 Trim
- Paint
- Drip Edge
- Shingles
- Birch plywood