

ABC CORE CONTENT
Basic safety
Intro to Math
Hand tools
Power tools
Blue print reading
Communication Skills
Employability Skills
ORIENTATION TO THE TRADE
Describe the history of the Carpentry trade
Identify the stages of progress within the carpentry trade
Identify the responsibilities of a person working in the construction industry
State the personal characteristics of a professional
Explain the importance of safety in the construction industry
WOOD BUILDING MATERIALS, FASTENERS, AND ADHESIVES
Explain the terms commonly used in discussing wood and lumber
State the uses of various types of hard & soft woods.
Identify various types of building lumber and identify their uses
Identify uses of & safety precautions assoc with pressure treated & fire retardant lumber
Describe the proper method of caring for lumber and wood building materials
State the uses of various types of engineered lumber
Calculate the quantities of lumber & wood products using industry standards
List nail and staple types and their uses
List the basic types of screws and their uses
Identify the different types of anchors and their uses
Given a selection of wood building materials identify them and their uses.
Identify fasteners required for specified applications
Identify the type of adhesive required for a specific purpose
HAND AND POWER TOOLS
Identify hand tools commonly used by carpenters and describe their uses
Use hand tools in a safe and appropriate manner
State the general safety rules for operating all power tools.
State the general rules for maintaining power tools.
Identify portable power tools used by carpenters and their uses.
Identify the stationary power tools used by carpenters and describe their uses.
Use stationary power tools in a safe and appropriate manner.
FLOOR SYSTEMS
Identify the different types of framing systems.
Read and understand drawings and specifications to determine floor system requirements.
Identify floor and sill framing and support members.

List and recognize different types of floor joist.
List and recognize different types of flooring materials.
Explain the purpose of sub-flooring and underlayment.
Match selected fasteners used in floor framing to their correct uses.
Estimate the amount of material needed to frame a floor assembly.
Layout and construct a floor assembly.
Install blocking or bridging.
Install a single floor system using T and G plywood/OSB panels.
WALL AND CEILING FRAMING
Identify the components of a wall and ceiling layout.
Describe the procedure for laying out a wood frame wall.
Describe the correct procedure for assembling and erecting an exterior wall.
Lay out, assemble, erect, and brace exterior walls for a frame building.
Explain the use of metal studs in wall framing.
Describe, cut and install ceiling joist on a wood frame building.
Estimate the materials required to frame walls and ceilings.
ROOF FRAMING
Understand the terms associated with roof framing.
Identify roof framing members used in gable and hip roofs.
Calculate the length of a rafter.
Identify various types of roof trusses.
Use a framing square, speed square and calculator in laying out a roof.
Identify various types of sheathing used in roof construction.
Layout and frame a gable roof using trusses and rafters.
Apply roof sheathing.
INTRODUCTION TO CONCRETE
Identify and describe the properties of concrete
Perform volume estimates
Identify & install concrete reinforcements
Identify form parts
Identify & construct a footing
Erect a simple concrete form
WINDOWS AND EXTERIOR DOORS
Identify various types of windows.
Explain proper window installation.
Install a pre-hung window.
Identify common types of sky lights.
Identify the common types of exterior doors.
Explain the steps used in door installation.
Install a pre-hung exterior door with weather stripping.
Identify the various types of lock sets used on exterior doors.
Install 2 lock set.

BASIC STAIR LAYOUT
Identify the various types of stairs
Identify stair parts
Interpret stair drawings & calculate number of risers & treads
Build a stair unit with hand rail
Complete Portfolio
Complete Mock Job Interview
PERSONAL QUALITIES
Work Effort
Safety Habits
Work Area Organization
On Task Behavior
Responsibility
Initiative
team Work
Respect
Interpersonal Skills