

FHS
Home Repair
Pacing Guide

Day 1 Orientation

Day 3-5 TDI8600.001, TDI8600.002, TDI8600.003, TDI8600.004
Identify the responsibilities and personal characteristics of a professional craftsman, explain the role that safety plays in the construction crafts, describe what work-site safety means, and explain the appropriate safety precautions around common house hold work site hazards.

Day 6-8 TDI8600.005, TDI8600.006, TDI8600.007, TDI 8600.008
Demonstrate the use and care of appropriate personal protective equipment, follow safe procedures for lifting heavy objects, describe safe behavior on and around ladders and scaffolds, and explain the importance of the HazCom (Hazard Communication Standard) requirement and MSDS (Material Safety Data Sheets).

Day 8-10 TDI8600.020, TDI8600.021
Identify some of the basic hand tools and commonly used power tools used in the construction trade and care for and safely use basic, common hand tools and power tools.

Day 10-12 TDI8600.011, TDI8600.012
Add, subtract, multiply, and divide whole numbers, with and without a calculator and use a standard ruler and a metric ruler to measure.

Day 12-14 TDI8600.013, TDI8600.014, TDI 8600.015, TDI8600.016
Add, subtract, multiply, and divide fractions, with and without a calculator, convert decimals to percents and percents to decimals, and convert fractions to decimals and decimals to fractions.

Day 15-17 TDI8600.017, TDI8600.018, TDI8600.019
Explain what the metric system is and how it is important in the construction trades, identify and use metric units of length, weight, volume, and temperature, and identify some of the basic shapes used in the construction industry and apply basic geometry to measure them.

Day 18-20 TDI8600.041, TDI8600.042, TDI8600.043, TDI8600.044,
TDI8600.045, TDI8600.046
Check stock and assemblies for squareness, measure materials, using tape measure, determine levelness and plumpness of surfaces, using a level, identify and store materials, and make minor adjustments to hand tools

Day 21-23 TDI8600.022, TDI8600.023
Identify basic blueprint terms, components, and symbols and relate information on blueprints to actual locations on the print.

Day 24-26 TDI8600.024, TDI8600.025, TDI8600.026

Identify different classifications of drawings, interpret and use drawing dimensions and interpret scale.

- Day 27-29 TDI8600.047, TDI8600.048, TDI8600.049, TDI8600.050
Crosscut and rip saw stock to size, bore holes, square stock to 90 degrees, and cut miter joint.
- Day 30-31 TDI8600.055, TDI8600.056
Set up builder's level and establish elevation points from a benchmark.
- Day 32-33 TDI8600.057, TDI8600.058
Install sill plate and cut and crown floor joists.
- Day 34-35 TDI8600.059, TDI8600.060
Install floor joists, including cantilever floor joists and install subfloor sheathing.
- Day 36-37 TDI8600.061, TDI8600.062
Cut wall plates, lay out wall framing on wall plates
- Day 38-39 TDI8600.063, TDI8600.064
Cut studs, headers, jacks, rough sills, and cripples, and assemble corner and tee posts
- Day 40-41 TDI8600.065, TDI8600.066
Assemble header, and frame door opening.
- Day 42-43 TDI8600.067, TDI8600.068
Frame window opening, and assemble wall sections, including metal studs.
- Day 44-45 Review 1st semester.
- Day 46-47 TDI8600.069, TDI8600.070
Cut ceiling joists, and install ceiling joists.
- Day 48-49 Roof framing.
- Day 50-51 Cover different types of roofs and framing techniques. Hip, gable, and gambrel.
- Day 52-53 TDI8600.072, TDI8600.073
Lay out common rafter as a pattern, and reproduce common rafters from a pattern.
- Day 54-55 TDI8600.071
Lay out roof framing detail on cap plate.
- Day 56-57 TDI8600.074, TDI8600.075, TDI8600.076
Install ridgeboard, install rafters, and install roof sheathing.
- Day 58-59 Cover hip valley and common rafters.

- Day 60-61 TDI8600.077, TDI8600.078, TDI8600.079
Install roof felt, install 3-tab composite shingle, and install ridge cap.
- Day 62-63 TDI8600.080
Install gypsum board.
- Day 64-65 TDI8600.081, TDI8600.082
Install baseboard and install prehung interior door unit
- Day 66-67 TDI8600.027, TDI8600.028
Describe the use of slings and common rigging hardware and describe the basic inspection techniques and rejection criteria used for slings and hardware.
- Day 68-69 TDI8600.029, TDI8600.030, TDI8600.031
Describe the basic hitch configurations and their proper connections, describe basic load-handling safety practices, and demonstrate proper use of American National Standards Institute (ANSI) hand signals
- Day 70-71 TDI8600.032, TDI8600.033
Demonstrate the ability to understand information and instructions that are presented in both written and oral form and demonstrate the ability to communicate effectively in on-the-job situations, using written and oral communication skills.
- Day 72-73 TDI8600.034, TDI8600.035, TDI8600.036
Explain the construction industry, the role of companies that make up the industry, and the role of individual professionals in the industry, demonstrate critical thinking skills and the ability to solve problems using those skills, and demonstrate knowledge of computer systems, and explain common uses for computers in the construction industry.
- Day 74-75 TDI8600.037, TDI8600.038, TDI8600.039, TDI8600.040
Demonstrate effective relationship skills with teammates and supervisors, exhibit the ability to work on a team, and demonstrate appropriate leadership skills, explain workplace issues such as sexual harassment, stress, and substance abuse, state the personal characteristics of a professional worker, and explain the importance of safety in the construction industry.
- Day 76-77 Planning, management, and finance
- Day 78-79 Technical and production skills and underlying principles of technology.
- Day 80-81 Labor and community issues and health, safety and environmental issues.
- Day 82-83 Review and exams

1. Interior – 9 weeks

a. Electrical - 2 weeks

- i. Breaker panel
 - ii. Outlets
 - iii. Lighting
 - iv. Assessment is to wire a basic circuit
- b. Plumbing 2 weeks
 - i. Faucets
 - ii. Sinks
 - iii. Shower & tubs
 - iv. Assessment is to successfully join commonly used types of pipe
- c. Heating and cooling – 2 weeks
 - i. Changing filters
 - ii. Cleaning registers
 - iii. Assessment is to change the filters in an HVAC system
- d. Walls - 1 week
 - i. Finding studs
 - ii. Repairing damage
 - iii. Assessment is to make a dry wall repair.
- e. Flooring – 1 week
 - i. repairing damaged flooring
 - ii. assessment is the remove and install some type of flooring
- f. Cabinetry – 1 week
 - i. Maintaining parts and finishes
 - ii. Assessment is to make a drawer repair

2. exterior - 9 weeks

- a. roof - 1 week
 - i. gutters
 - ii. loose shingles
 - iii. Assessment is to replace commonly used roofing material
- b. water control - 2 weeks
 - i. sill cocks
 - ii. slope
 - iii. This will be a written skills based assessment
- c. exterior finish - 2 weeks
 - i. siding
 - ii. paint
 - iii. caulk
 - iv. Assessment will be to complete a neat and clean caulk joint
- d. windows - 1 week
 - i. sealing
 - ii. glazing
 - iii. Assessment will be to replace screen material
- e. foundation – 1 week
 - i. correct moisture control
 - ii. This will be a written assessment covering the proper procedures

- f. landscaping 2- weeks
 - i. weed control
 - ii. sprinkler
 - iii. plants
 - iv. This assessment will be to successfully grow a type of landscaping plant