

FHS
Building Trades
Pacing Guide

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| Day 1-3 | Orientation |
| Day 4-8 | 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 job-site safety means, and explain the appropriate safety precautions around common job-site hazards. |
| Day 9-13 | 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 14-17 | 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 18-22 | 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 23-27 | 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 28-31 | 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 32-36 | 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 37-41 | TDI8600.022, TDI8600.023 Identify basic blueprint terms, components, and symbols and relate information on blueprints to actual locations on the print. |
| Day 42-46 | TDI8600.024, TDI8600.025, TDI8600.026 |

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

- Day 47-51 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 52-56 TDI8600.055, TDI8600.056
Set up builder's level and establish elevation points from a benchmark.
- Day 57-60 TDI8600.057, TDI8600.058
Install sill plate and cut and crown floor joists.
- Day 61-65 TDI8600.059, TDI8600.060
Install floor joists, including cantilever floor joists and install subfloor sheathing.
- Day 66-67 TDI8600.061, TDI8600.062
Cut wall plates, lay out wall framing on wall plates
- Day 68-72 TDI8600.063, TDI8600.064
Cut studs, headers, jacks, rough sills, and cripples, and assemble corner and tee posts
- Day 73-77 TDI8600.065, TDI8600.066
Assemble header, and frame door opening.
- Day 78-82 TDI8600.067, TDI8600.068
Frame window opening, and assemble wall sections, including metal studs.
- Day 83-86 Review 1st semester.
- Day 87-91 TDI8600.069, TDI8600.070
Cut ceiling joists, and install ceiling joists.
- Day 92-95 Roof framing.
- Day 96-100 Cover different types of roofs and framing techniques. Hip, gable, and gambrel.
- Day 101-105 TDI8600.072, TDI8600.073
Lay out common rafter as a pattern, and reproduce common rafters from a pattern.
- Day 106-110 TDI8600.071
Lay out roof framing detail on cap plate.
- Day 111-115 TDI8600.074, TDI8600.075, TDI8600.076
Install ridgeboard, install rafters, and install roof sheathing.
- Day 116-120 Cover hip valley and common rafters.

- Day 121-125 TDI8600.077, TDI8600.078, TDI8600.079
Install roof felt, install 3-tab composite shingle, and install ridge cap.
- Day 126-130 TDI8600.080
Install gypsum board.
- Day 131-135 TDI8600.081, TDI8600.082
Install baseboard and install prehung interior door unit
- Day 136-140 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 141-145 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 146-149 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 150-152 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 153-157 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 158-162 Planning, management, and finance
- Day 163-167 Technical and production skills and underlying principles of technology.
- Day 168-172 Labor and community issues and health, safety and environmental issues.
- Day 173- 77 Review and exams