

## *Building Trades I*

Pacing Guide

| Week   | Class Curriculum                                                                                                                                                                                                                                                                                       | Standard Achieved |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Week 1 | Objective: Class Intoduction, Pre-Test, Shop Safety overviewed, Measurement, and estimating. Industry overview and Employability skills are discussed.                                                                                                                                                 | Segments 1,2,3    |
| Week 2 | Objective 1: Learn Wood types, and sheet goods, and where they are located and their proper usages. Hand tool identfication, and safe usage. Objective 2: Ladder and scaffolding safety and certification. Objective 3: Learn cutting tools, and nail guns, and their applications, safety, and usage. | Segment 1,4,5     |
| Week 3 | Objective: Learn Hand Power Identification, usage, and required safety tests, for Hand Power Tool Certification. Objective: Learn Stationary Machines, proper usage, and required safety tests for Power Tool usage.                                                                                   | Segments 1,5,     |
| Week 4 | Objective: Students will learn the background of building a house. The focus will be on planning, locating a structure, ethics, contracts, building codes, and the different trades.                                                                                                                   | Segments 2,6,7,12 |
| Week 5 | Objective: Students will learn about basic foundation and cement principles. There is a required lab, with the construction of small cement slabs, and a block wall.                                                                                                                                   | Segments 4,8      |
| Week 6 | Objective: Students will learn about basic foundation and cement principles. There is a required lab, with the construction of small cement slabs, and a block foundation for "project house."                                                                                                         | Segments 4,8      |
| Week 7 | Objective: Finish the foundation, Study floor systems, and Install sill plates, and build the house floor.                                                                                                                                                                                             | Segments 4,8      |

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| Week 8  | Objective: Study wall systems. Start the wall framing of "project house."                                      | Segments 4,5,6   |
| Week 9  | Objective: Complete the wall framing, build and install all headers.                                           | Segments 4,5,8   |
| Week 10 | Objective: Study roof framing, energy trusses, and truss design. Roof layout will be stressed in this section. | Segments 4,5,6,8 |
| Week 11 | Objective: Install roof trusses, and sheet the roof utilizing safe work practices.                             | Segments 4,5,8   |
| Week 12 | Objective: Finish all rough framing. OSHA principals are taught.                                               | Segments 1,4,5,8 |
| Week 13 | All projects and assignments must be completed. Finals Review, and Finals                                      |                  |