

*Advancing Construction Careers*

**Orientation**

Sign in sheet with student emails  
 Expectations  
 Complete paperwork  
 Schoology navigation  
 Assign quizzes  
 Student icebreaker  
 Brief level review, OSB, 1x2 dimensions, pine shims  
 Level tower build in groups 2 hours

**Day 1**

names on helmets, tool bags sign in sheet  
 Handouts, k HBI Attendance tracker  
 Expectations reminder On time,safty,feeling well.  
 Instructor and student intros  
 Safety, First aid, PPE review presentations 1 hr.  
 Math assessment presentation 1 hr  
 Tour, PPE fitting, tool opening 1 hr.  
 Toolkit identification & use  
 Hammer & prybars on the nail towers if time

**Day 2**

Math review 1/2 hr.  
 Fire safety review 1/2 hr.  
 Lift & carry review .25 hr  
 Lift & carry exercise (move lumber and sh heets 1 hr

Ladder re view set up ladders and have students practice.  
 Scaffold build exercise in 3 groups  
 only if conditions permit

**Day 3**

Tape measure reading review 1/2 hr.  
 Tape measure techniques practice 1/2 hr.  
 Solo measure exercise throughout house (if time)  
 Plumb, level, square review 1/2 hr  
 Chalkline review 1/4 hr  
 Grid squaring 345 exercise in teams of 2 1 hr.  
 345 exercise on 2 boards in T shape 1/2 hr.  
 Resumes & cover letter first draft reminder

**Day 4**

Resume & cover letter walkthrough from schoology  
 Speed square review 1/4 hr  
 Speed square exercise 1 hr  
 Miter saw review 1/4 hr  
 Miter saw exercise with worksheet 2-4 hr.  
 Miter saw angle cut exercise (if time)  
 Wrapping up an extension cord practice

**Day 5**

Drill review  
 Drivers identification exercise  
 Fasteners identification exercise  
 Drill exercise screws and pilot holes  
 Drilling holes with different bits practice  
 Build with drills (if time) box

**Day 6**

Advanced materials presentation slides 35-113  
 Actual & nominal exercise with crates of lumber  
 Species identification exercise with green bag  
 ID bow, crown, twist practice on 2x4s in lab  
 Building a house presentations (if time)  
 each exersize is aproxamatly 1 hr.

**Day 7**

Tool & material brief review  
 Circular saw review  
 Remove blade and re-install practice 1/2 hr.  
 Circular saw exercise, straight-notch-beve lel cuts 1 hr  
 Cut first 3 notches with handsaws 1 hr.  
 Circular saw rip cuts, 2.5"x8' twice (if time e) OSB  
 Circular saw plunge cuts (if tim e) in OSB.

**Day 8**

Jigsaw review 1/4 hr  
 Reciprocating saw review 1/4 hr  
 Notch cut exercise continued 1.5 hr.  
 Complete notches with jigsaw & recip saws  
 Recip exercise, notch cuts in nailing tower, demo  
 Jigsaw exercise, cut (2) 8" circles, trace cement blade  
 Jigsaw exercise, OSB cut outs for J-box & PEX  
 1/2 hr class/ 2 hr shop

**Day 9**

Building a wall presentation 1/4 hr  
 Single wall layout review, assigned as homework  
 Cut list review 1/4 hr  
 Drawing a layout review 1/4 hr  
 Culling lumber brief review  
 Wall frame build in teams (4 walls built id eally 2 hr.  
 Job search assignment reminder  
 Remind students to set up an accunt in HBI

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Day 10

Wall layout exercise review with 4 colors, assigned  
Wall layout material takeoff review, assigned  
Compressor review  
Pneumatic nailers review presentations 45 minutes.  
Pneumatics nailer exercise, accuracy on 4ft board  
Wall frame build continued 2+hrs.  
Standing walls practice & 4 wall structure assembly  
Resume & cover letter reminder

Day 11

Collect resumes & cover letters  
Trade focus sign ups  
Blueprint review  
Blueprint exercise, bottom plates of tiny house build  
Pneumatics practice continued 1.5 hours  
Online application reminder  
All quizzes & assignments due on last day reminder  
Final test on 12th day, review all materials reminder

Day 12

Trade focus quizzes assigned  
Final test If trade focus is not in place  
Review final test answers  
Work on quizzes & assignments as needed  
work students through HBI Hand out certificate  
T shirts

Day 13

Trade focus

Day 14

Trade focus  
Job fair reminder

Day 15

Job fair  
Soft skills presentation  
Problem solving handouts assigned as homework  
Time ordering handout assigned as homework

Day 16

Final night  
Fill out course evaluation & testimonial  
Complete all quizzes & assignments  
Retake final if necessary (test #2)  
Fill out sign off sheets, one on one interviews  
Toolkit sign offs for graduates (take with them)  
Hand out T-shirts, track inventory  
Take class picture with tools  
Reminder about survey stipends  
Collect resumes for our files  
Hand out certificates to graduates