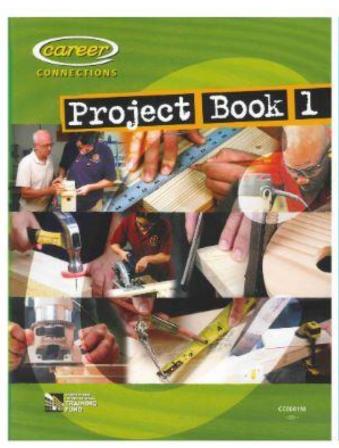
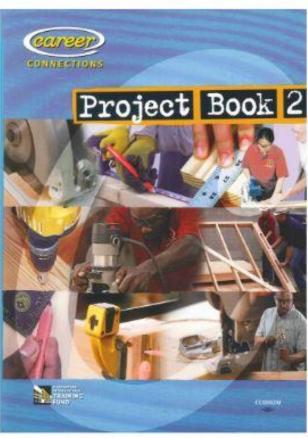


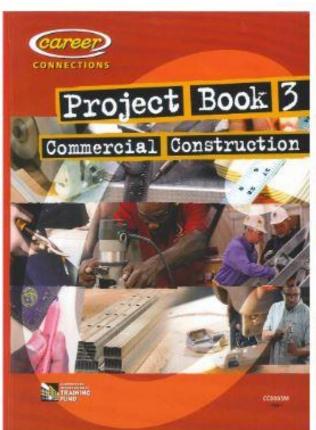
## CONNECTIONS

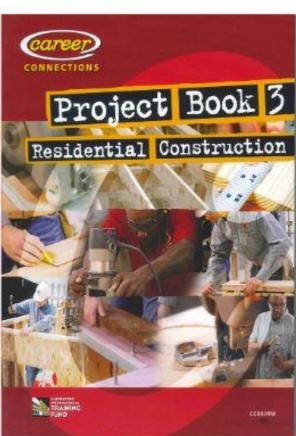


## **Project Books = Skill Development**















PB3

pages



### 2 Installing Knockdown Metal Door Frames

The following procedure explains how to notall a knockdown metal door frame. The procedure can be completed successfully by one person but can be more efficiently handled by two people. He sure to check the door swing before beginning the installation process.

#### Expectations

When your project is complete, it will be evaluated on its overall appearance and on the quality of your work. Your teacher will consider the following criteria:

- . The correct door frame is used to match the rough
- \* The head jumb and side jumbs are properly installed.
- \* The trame is installed plants and level.
- \* The compression anchors are firmed up to the king. stud properly.

#### Too self-rend the following tools:

- . Some gan
- \* 1' 6" and 6 6" bred
- . Sixted and Holligs-head screedings
- . Doors and Surdeany tool possible

#### You self need the following materials:

- . Enodolowe-door frame optional occurring clips
- + Door symmeter
- \* 3" tigo 5 drysoft screes
- \* 50mm

#### PROCEDURE

#### Installing Hinges on a Door

- 1. Place the dear langthways on floor protection with the lange gain sparings. posting toward yet.
- 2. Moreon from the fixed parts to the center of the strike plan on the strike.
- 3. Match the dissession found in stop 2 on the distribe resoluting from an and to the center of the latch or locked boss to determine the tap of the door.
- 4. Place the hinger into each gain on the dast artested with the tigs of the dast. See Figure 3.
- 5. Chiefs that the hinge is flook with the door and gate edge. Adjust as nences
- 6. Driff a pliet hale for each screw used to attach the hinge to the door. Saw
- 7. One word street into the pilot holes using a street pur, securing the hinges to the door as shown in Figure 5.
- 8. Complete the hinge installation as shown in Figure 6.



Placed hinges













RANGE COMMITTORS PROSEST MORE IS COMMUNICAL COMMUNICATION

### Skills Matrix, Project Book 1

Skill	Lead-Up Exercise	Tote Box	Paper Towel Holder	Foot stool	Bird House
Using/reading a measuring tape					
Interpreting prints.					
Creating a cut list					
Transferring measurements from print to project					
Using templates				3	
Using a jig					
Making Cuts		1			
bevel cut with a circular saw	1000				
bevel cut with a sliding compound miter sew	100				
chap cut with sliding compound miter saw					
crosscut with a circular saw		1			
crosscut with handsaw					
compound cut with a sliding compound miter saw					
compound miter out with a circular saw	100				
miter cut with a circular saw					
miter cut with a sliding compound miter saw					
rip cut with a circular saw					-
slide cut with sliding compound miter saw					
taper					
Using Measuring Tools					
Chalk box					
creating a straight line with a chalk box					
Combination square		-			
checking a combination square for accuracy	1000				
checking 90 degree angles with a combination square					
laying out a 45 degree angle with a combination square					
laying out a parallel line with a combination square	100				
Сотрых		1			
drawing a circle with a compass.					
forming arcs with a compass				1	
Framing square					
checking the framing square with accuracy	18 7				
Measuring tape	Name of Street	100			

indicates when the tool, object, or task is first introduced to the student

indicates when the tool, object, or task is included in the project or lead-up exercise.

xxxvii

Saw Key Holder	Coat Rack	Step Steel	Chest	Bread Box	Bookcase	CD Rack	Magazine Rack	Tool Box	Kids' BBQ Table	Storage Chest
										1
_										
_										
_										
_										
_										
_										
_										
-										
_										

XXXVI CAREER CONNECTIONS: Project Book 1





### Certification of Completion Presented by

**Highland Hills Carpenters Training Center** 

This certificate is presented to Jamal Anthony

For the successful completion of Career Connections Level 1

One Trade, Many Careers; and Project B

Awarded this 6th day of June 2014

Henry Arlington, Principal Grover Cleveland High School Diaz

C Student ID# CC000039

### **Industry Recognized Credentials**





CONNECTIONS

This certificate is presented to Rosalinda Reyes

For the successful completion of

**Career Connections Level 2** 

One Trade, Many Careers; Project Book 1; and

Awarded this 23rd day of June 2014

Jonathan Kent, Teacher Smallville High School Cla

CC Student ID# CC000040

CARPENTERS INTERNATIONAL TRAINING FUND

#### **Certification of Completion**

Presented by

**Carpenters International Training Fund** 

This certificate is presented to Karl Penter

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#### **Career Connections Level 3**

One Trade, Many Careers; Project Book 1; Project Book 2; and Project Book 3

Awarded this 28th day of May 2014

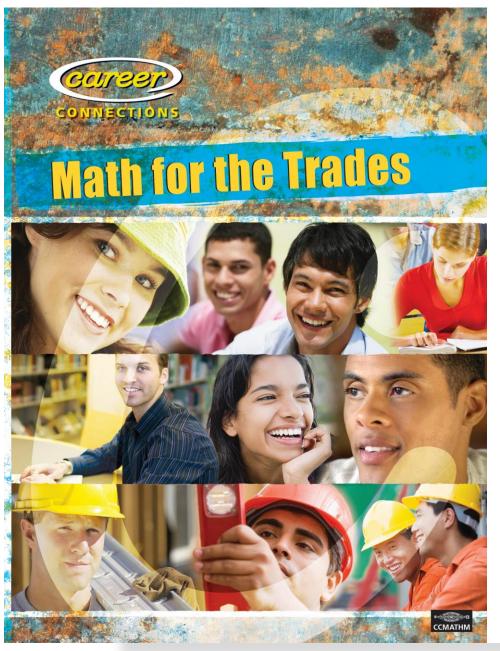
Jennifer Salud, Teacher Fred Murphy High School

William K. Irwin Jr., Executive Director Carpenters International Training Fund

CC Student ID# CC000041

Rick Liedtke, Outreach Specialist Prairieville Carpenters Training Center

## Integrate Academics into CTE Programs



### Section 2 ■ WORKSHEET 2

### Area Measure of a Rectangle

Instructions Determine the number of pieces of 2´×4´ ceiling tile required for a rectangular room. Compute the area of the room and then divide the area of the room by the area of a piece of 2´×4´ ceiling tile, disregarding light fixtures and HVAC diffusers. To complete this task successfully, the student will:

- draw a sketch
- take measurements
- compute area

#### Materials

pencil

paper

notebook

room with 2' × 4' ceiling tiles

#### Tools

tape measure piece of  $2'-0'' \times 4'-0''$  ceiling tile

#### Procedure

1. Make a sketch of the room in the notebook.

## Integrate Academics into CTE Programs



#### What is a Construction Site?

The construction process will differ from project to project, but most structures are built in the following stages:

- Site preparation
- . Establishing the foundation
- · Erecting a framework
- Installing underground utilities





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What Happens on a Construction Ste? 2 - 13

#### What is a Construction Site? cont.

Once the framework is in place and the underground utilities are complete, the following stages are begun:

- Enclosing the building
- . Finishing the exterior
- . Finishing the interior
- Inspections



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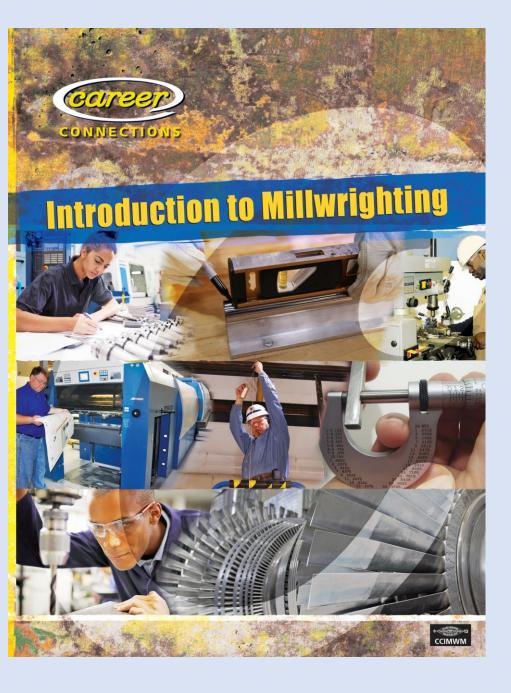
#### **Construction Roles and Responsibilities**

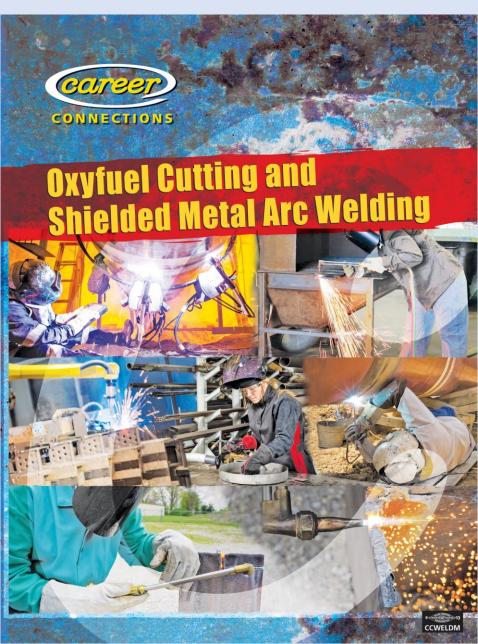
- Architect A person that plans the structure to be built by creating scale drawings of the building and dimensions of all the elements
- Designer The person focused on the appearance and functional aspects of a structure
- Engineer The person focused on the structural integrity of a building and the materials used to build it



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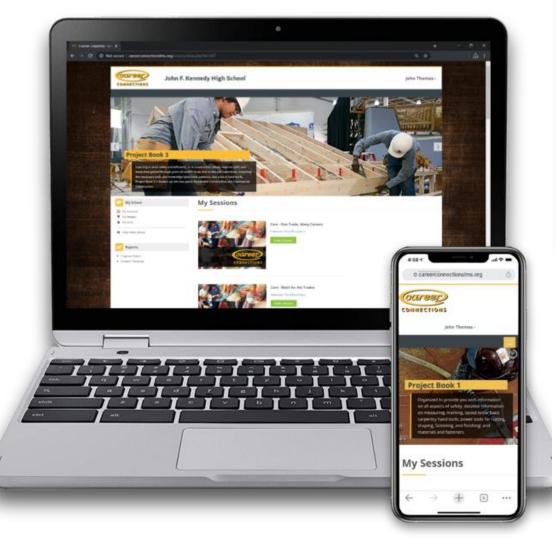
What Happens on a Construction Site? 4 - 12



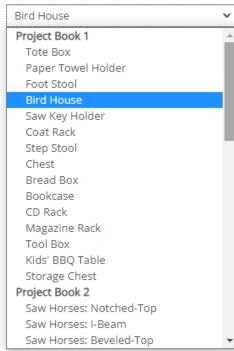


## More Titles

### **Online since 2020**



#### Select a Project



- Skills Covered in Bird House
- Safety and Operations Checklist
- ☑ Claw Hammer (Hammer)
- ☑ Electric Drill (Drill)
- Other Hand Tools
- Portable Circular Saw (Circular Saw)
- ✓ Screw Gun
- ✓ Wood Rasp
- Lead-Up Exercises Hand and Portable Tools
- ☑ Claw Hammer (Hammer) 1
- ✓ Combination Square
- ☑ Electric Drill (Drill) 🚯
- ☑ Nail Set 🕕
- Portable Circular Saw (Circular Saw) 1
- ☑ Sandpaper and Sanding Blocks
- ✓ Screw Gun
- Skills General
- Using/Reading a Measuring Tape
- ✓ Interpreting Prints
- Creating a Cut List
- Skills Measuring Tools
- ✓ Combination Square
- ☑ Combination Square Laying Out a Parallel Line
- Measuring Tape
- Skills Hand Tools

### Affordable Textbooks

Schools
choose:
One book
per pupil or
a classroom
set

One Trade, Many Careers (Student)	\$10.28
One Trade, Many Careers (Teacher's Annotated Edition)	\$32.06
Project Book 1 (Student)	\$12.53
Project Book 1 (TAE)	\$47.57
Project Book 2 (Student)	\$16.24
Project Book 2 (TAE)	\$50.72
Project Book 3-Residential (Student)	\$23.98
Project Book 3-Residential (TAE)	\$83.19
Project Book 3-Commercial (Student)	\$19.71
Project Book 3-Commercial (TAE)	\$62.71
Math for the Trades (Student)	\$19.15
Math for the Trades (TAE)	\$50.72
Oxyfuel Cutting & Shielded Metal Arc Welding (S)	\$17.91
Oxyfuel Cutting & Shielded Metal Arc Welding (TAE)	\$30.79
Introduction to Millwrighting (Student)	\$30.03
Introduction to Millwrighting (TAE)	\$38.21
Career Connections Learning Management System (LMS)	
Annual Teacher's Site License for Career Connections LMS	4404.00
	\$101.00
Annual Student Site License for Career Connections LMS	\$17.00
	Ç17.00



## Teachers Like ...

**Lesson Plans** 

Safety Operations Checklists for tools Question
Bank/Assessment
Generator

Timelines for Implementation

**Material Lists** 

**PowerPoints** 

**Chapter Reviews** 

Virtual Shop: How-To Videos

Blueprints

**Rubrics** 

**Evaluation Forms** 

Math Practice Sheets

### Career Connections Schools are PNCI's Priority

- Career Fairs
- Classroom Visits
- Job Shadows at PNCI
- Teacher Workshops
- HS Summer Internship







**Albany Options School** 

**Battle Ground HS** 

Bend Senior HS

Hudson Bay HS

Bend Tech Academy at Marshall

Early College & Career Options (ECCO)

Benson HS Jefferson HS

Central HS La Grande HS Sabin Schellenberg Tech Ctr

Cleveland HS Lincoln County SD Santiam HS

Crescent Valley HS Lowell Junior/Senior High Silverton HS

Creswell HS Madison HS St Helens HS

David Douglas HS Mark Morris HS Stayton HS

Elmira HS

Merlo Station

Tigard HS

Toledo HS

Evergreen HS Mountain View HS Triangle Lake Charter School

Medford School District

Franklin HS Obsidian MS Tualatin HS

Gladstone HS Redmond HS Willamina HS

Grant HS Reynolds HS Wilson HS

Harrisburg HS Reynolds Learning Academy Pre-Apprenticeship Programs

Helensview HS Riverside Jr/Sr High Oregon Job Corps Centers

Roosevelt HS Community Services Consortium Pre-Apprenticeship

Career Connections in OR/SW WA

### **For More Information**

# Meg Kilmer Career Connections Outreach Specialist

For Oregon, SW Washington and S. Idaho

**Pacific NW Carpenters Institute** 

megkilmer@pnci.org

503 - 816 - 9047

community.pnci.org

