WISCONSIN— YOUTH APPRENTICESHIP

Carpentry Fundamentals

Youth Apprenticeship

CARPENTRY FUNDAMENTALS

Carpentry Fundamentals youth apprentices gain skills related to the use of construction safety, drawings and blueprints, materials, tools, and general worksite procedures. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One or two years

REQUIRED COMPETENCIES

Youth apprentices must become proficient in both general employability and occupation-specific competencies. All of these, and examples of how each can be demonstrated, are found in the following pages. **Year 1 and Year 2**: A total of 15 Carpentry Fundamentals occupational competencies and a minimum of 1 Carpentry Specialty competency must be learned for this occupation.

A specialty competency may be repeated only if the type of construction (residential or commercial) differs from the first year. Employers may substitute out one of these and should write in the competency they are adding. Where necessary, skills can be simulated. Youth apprentices must be evaluated on these competencies at least two times each year of their apprenticeship.

Youth Apprentices must also complete the following during Year 1: First Aid Certification Occupational Safety Health Administration (OSHA) 10 or 30 Certification	
Select construction type and circle the applicable year: Residential completed during Year: One and/or Two Commercial completed during Year: One and/or Two	

Carpentry Fundamentals Competencies	Carpentry Specialty Competencies
 Follow safety procedures 	16. Assist with finish framing or forming
Read construction drawings and plans	17. Assist with interior finishing
Interpret symbols and procedures	18. Assist with exterior finishing
4. Contribute to a job task plan	
5. Work as a member of a construction	
team	
Prepare work area for construction	
7. Select construction materials	
8. Use hand and light duty tools	
9. Use power tools and equipment	
10. Perform materials handling	
11. Install materials per job specifications	

Carpentry Fundamentals Competencies	Carpentry Specialty Competencies
12. Perform construction measurements	
13. Maintain a clean and safe work area	
14. Clean up job site	
15. Practice quality craftsmanship	

APPRENTICESHIP BRIDGING OPPORTUNITIES

Some of the related instruction courses can bridge into the following registered apprenticeship:

- Carpentry (Cabinet Maker)
- Carpenter (Construction)
- Carpenter (Construction Residential)

POST-SECONDARY PATHWAY OPPORTUNITIES

There are several post-secondary pathway opportunities in this area. The following is a partial list.

- Carpentry
- Construction & Cabinet Making

WISCONSIN—YOUTH APPRENTICESHIP

Carpentry Fundamentals

Youth Apprenticeship

ON-THE-JOB LEARNING PERFORMANCE STANDARDS GUIDE

YOUTH APPRENTICE INFORMATION

TOOTH APPRENTICE INFORMATIO	IV
Youth Apprentice Name	
YA Coordinator	
YA Consortium	
School District	
SIGNATURES	
The On-the-Job Learning Performance Standar	rds Guide includes a list of competencies youth
apprentices learn through mentoring and train	·
should be reviewed with the employer/mento the youth apprentice to record progress and p competencies. Mentors, school-based/YA coo	-
<u>Em</u> 1 st Evaluation (Required)	<u>ployer/Mentor</u> 2 nd Evaluation (Required)
Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed
3 rd Evaluation (Optional)	4th Evaluation (Optional)
Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed

School-Based and/or YA Coordinator

1st Evaluation (Required)

2nd Evaluation (Required)

School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed

3rd Evaluation (Optional)

4th Evaluation (Optional)

School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed

Youth Apprentice

1st Evaluation (Required)

2nd Evaluation (Required)

Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

3rd Evaluation (Optional)

4th Evaluation (Optional)

Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

EMPLOYABILITY SKILLS

All youth apprentices must demonstrate the key employability skills listed below in order to complete the YA program. They do so by earning at least a "Meets Expectation" rating in each. **At least two evaluations are required each year of a youth apprenticeship**. More columns are included below for those who choose to conduct more frequent reviews.

1	Working to Meet Expectations: Needs improvement; requires much assistance and supervision;
	rarely displays this behavior
2	Meets Expectations: Meets entry-level criteria; requires some supervision; often displays this
	behavior
3	Exceeds Expectations: Exceeds entry-level criteria; requires minimal supervision; consistently
	displays this behavior

	Employability Skills		Rati	ing	
	Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final
1.	 Develops positive work relationships with others. Examples of qualities and habits that the employee might exhibit include: Interacts with others with respect and in a non-judgmental manner Responds to others in an appropriate and non-offensive manner Helps co-workers and peers accomplish tasks or goals Applies problem-solving strategies to improve relations with others When managing others, shows traits such as compassion, listening, coaching, team development, and appreciation 	☐ 1 ☐ 2 ☐ 3			
2.	 Communicates effectively with others Examples of qualities and habits that the employee might exhibit include Adjusts the communication approach for the target audience, purpose, and situation to maximize impact Organizes messages/information in a logical and helpful manner Speaks clearly and writes legibly Models behaviors to show active listening Applies what was read to actual practice Asks appropriate questions for clarity 	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	□1 □2 □3	☐ 1 ☐ 2 ☐ 3
3.	 Collaborates with others Examples of qualities and habits that the employee might exhibit include Works effectively in teams with people of diverse backgrounds regardless of sex, race, ethnicity, nationality, sexuality, religion, political views, and abilities Shares responsibility for collaborative work and decision making Uses the problem-solving process to work through differences of opinion in a constructive manner to achieve a reasonable compromise Avoids contributing to an unproductive group conflict Shares information and carries out responsibilities in a timely manner 	☐ 1 ☐ 2 ☐ 3			

Employability Skills Rating				
Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final
 4. Maintains composure under pressure Examples of qualities and habits that the employee might exhibit include Uses critical thinking to determine the best options or outcomes when faced with a challenging situation Carries out assigned duties while under pressure Acts in a respectful, professional, and non-offensive manner while under pressure Applies stress management techniques to cope under pressure 	☐ 1	☐ 1	☐ 1	□1
	☐ 2	☐ 2	☐ 2	□2
	☐ 3	☐ 3	☐ 3	□3
 Demonstrates integrity Examples of qualities and habits that the employee might exhibit include Carries out responsibilities in an ethical, legal and confidential manner Responds to situations in a timely manner Takes personal responsibility to correct problems Models behaviors that demonstrate self-discipline, reliability, and dependability 	□ 1	□ 1	□ 1	□1
	□ 2	□ 2	□ 2	□2
	□ 3	□ 3	□ 3	□3
 6. Performs quality work Examples of qualities and habits that the employee might exhibit include Carries out written and verbal directions accurately Completes work efficiently and effectively Performs calculations accurately Conserves resources, supplies, and materials to minimize costs and environmental impact Uses equipment, technology, and work strategies to improve workflow Applies problem-solving strategies to improve productivity Adheres to worksite regulations and practices Maintains an organized work area 	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
 Provides quality goods or services (internal and external) Examples of qualities and habits that the employee might exhibit include Shows support for the organizational goals and principles by own personal actions Displays a respectful and professional image to customers Displays an enthusiastic attitude and desire to take care of customer needs Seeks out ways to increase customer satisfaction Produces goods to workplace specifications 	☐ 1	☐ 1	☐ 1	□1
	☐ 2	☐ 2	☐ 2	□2
	☐ 3	☐ 3	☐ 3	□3

Employability Skills		Rat	ing	
Competency and Rating Criteria	Initial	Mid	Mid	Final
8. Shows initiative and self-direction	1	Year 1	Year 2	1
 Examples of qualities and habits that the employee might exhibit include Prioritizes and carries out responsibilities without being told 			☐ 2	□ 2 □ 2
 Responds with enthusiasm and flexibility to handle tasks that need immediate attention Reflects on any unsatisfactory outcome as an opportunity to learn 	3	3	3	□3
 Improves personal performance by doing something different or differently Analyzes how own actions impact the overall organization 				
 Supports own action with sound reasoning and principles Balances personal activities to minimize interference with work responsibilities 				
 9. Adapts to change Examples of qualities and habits that the employee might exhibit include Shows flexibility and willingness to learn new skills for various job roles Uses problem-solving and critical-thinking skills to cope with changing circumstances 	☐ 1 ☐ 2 ☐ 3			
 Modifies own work behavior based on feedback, unsatisfactory outcomes, efficiency, and effectiveness Displays a "can do" attitude 				
 10. Demonstrates safety and security regulations and practices Examples of qualities and habits that the employee might exhibit include Follows personal safety requirements Maintains a safe work environment 	☐ 1 ☐ 2 ☐ 3			
 Demonstrates professional role in an emergency Follows security procedures Maintains confidentiality 				
 11. Applies job-related technology, information, and media Examples of qualities and habits that the employee might exhibit include Applies technology effectively in the workplace 	☐ 1 ☐ 2	☐ 1 ☐ 2	☐ 1 ☐ 2	□ 1 □ 2
 Assesses and evaluates information on the job Assesses training manuals, website, and other media related to the job 	3	3	3	∐3
12. Fulfills training or certification requirements for employment Examples of this requirement may include	□1 □2			□1 □2
 Participation in required career-related training and/or educational programs Passing certification tests to qualify for licensure and/or certification 	☐ 2 ☐ 3	☐ 2 ☐ 3	☐ 2 ☐ 3	□ 2
Participation in company training or orientation				
13. Sets personal goals for improvement Examples of this requirement may include	□1 □2	□1 □2		
 Setting goals that are specific and measurable Setting work-related goals that align with the organization's mission Identifying strategies to reach goals 	3	☐ 3	3	☐3
Reflecting on goal progress to regularly evaluate and modify goals				

OCCUPATIONAL COMPETENCIES

Youth apprentices must earn a rating of at least "MEETS EXPECTATIONS" in each competency by the conclusion of the apprenticeship. **Year 1 and Year 2**: All required 15 Carpentry Fundamentals occupational competencies and a minimum of 1 Carpentry Specialty competency.

A specialty competency may be repeated only if the type of construction (residential or commercial) differs from the first year. Employers may substitute out one of these and should write in the competency they are adding. Where necessary, skills can be simulated. At least two evaluations are required each year of a youth apprenticeship. More columns are included below for those who choose to conduct more frequent reviews.

1	Working to Meet Expectations: Needs improvement; requires much assistance and supervision;
	rarely displays this behavior
2	Meets Expectations: Meets entry-level criteria; requires some supervision; often displays this
	behavior
3	Exceeds Expectations: Exceeds entry-level criteria; requires minimal supervision; consistently
	displays this behavior

outh Apprentices must also complete the following during Year 1:
First Aid Certification
Occupational Safety Health Administration (OSHA) 10 or 30 Certification
elect construction type and circle the applicable year:
Residential completed during Year: One and/or Two
☐ Commercial completed during Year: One and/or Two
CARPENTRY SPECIALTY SKILLS
Year 1: Select 1
Year 2: Select 1 different specialty skills or type of construction (residential verses commercial)
identified by employer

	Occupational Competencies		Rati	ng		
	Competency and Rating Criteria	Evaluation Minimum Rating 2 for EACH Check Rating		ACH		
		Initial	Mid Year 1	Mid Year 2	Final	
1.	Follow safety procedures	Year 1 Rating				
	 select and use appropriate clothing and personal protective equipment (PPE) comply with job site safety and security rules and regulations maintain a clean and organized work environment 	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	
	 identify and report unsafe job conditions report injuries and damage to property 	Year 2 Ratin			5	
	report injuries and damage to property	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	

	Occupational Competencies	Rating			
2.	Read construction drawings and plans		Year 1	Rating	
	 relate drawing to job task 	□1	□ 1	□ 1	□ 1
	interpret elements and symbols	☐ 2	□ <u>-</u> □ 2	☐ 2	□ - □ 2
	 locate worksite features on a construction plan 				
	convert scales measurements to full measurements	□ 3	□ 3	3	□ 3
	 translate specifications to work requirements 				
			Year 2	Rating	Т
			□ 1	□ 1	
		□ 2	□ 2	□ 2	□ 2
		☐ 3	□ 3	☐ 3	☐ 3
3.	Interpret symbols and procedures		Year 1	Rating	
	 explain the role of drawings and specifications 	□1	□1	□1	□1
	 identify drawings and symbols used on a construction drawing 	 □2	 2		
	 apply information from drawings in construction activities 	□ - □ 3	□ -		☐ 3
	 interpret specifications appearing on construction drawings 	L 3	3		
	 interpret and convert measurements in terms of actual dimensions 				
	 explain specifications in terms of work requirements 		Year 2		
		□ 1	□ 1	□ 1	
		□ 2	☐ 2	☐ 2	2
		☐ 3	□ 3	☐ 3	☐ 3
4.	Contribute to a job task plan		Year 1	Rating	
	 setup and prepare tools and equipment for safe operation 	□ 1	□ 1	□ 1	□ 1
	determine the scope of work	_ 2	_ 2	_ 2	_ 2
	 respect contractual relationships 	☐ 3	□ -	☐ 3	☐ 3
	 apply scheduling practices 		Year 2		
		<u></u>	<u></u>	<u> </u>	2
		3	☐ 3	∐3	□ 3
5.	Work as a member of a construction team		Year 1	Rating	
	offer and request assistance	□ 1	□1	□ 1	□ 1
	follow company policies and procedures	☐ -	□ <u>-</u> □ 2	☐ 2	☐ 2
	learn from other team members				
		3	□3	3	3
			Year 2	 Rating	
		□ 1			□1
			☐ 2	☐ 2	<u> </u> 2
		□ 3	□ 3	□ 3	□ 3

	Occupational Competencies	Rating			
6.	Prepare work area for construction		Year 1	Rating	
	remove debris	□ 1	□ 1	□ 1	□ 1
	• clean up sites	□ 2	□ 2	□ 2	□ 2
	 dispose of waste and hazardous materials 	_ 3	_ 3	3	3
			Year 2	Rating	
		□ 1	□ 1	□ 1	□ 1
		□ 2	□ 2	□ 2	□ 2
		□3	□3	□3	□ 3
7.	Select construction materials		Year 1	Rating	1
	 consider usefulness and portability 	□ 1	□ 1	□ 1	□ 1
	consider minimizing cost	□ 2	□ 2	□ 2	□ 2
	 consider performance goals 	□3	□3	□3	□ 3
		_	_		
			Year 2	Rating	
		□ 1	□ 1	□ 1	□ 1
		□ 2	□2	□ 2	□ 2
		 3			
8.	Use hand and light duty tools		Year 1	Rating	
	 wear appropriate personal protective equipment (PPE) 	□ 1	□ 1	□ 1	□ 1
	 select the correct tool for the job 	□ 2	□ 2	□ 2	□ 2
	• inspect tool	 □3			
	 operate the tool safely 				
	perform routine maintenance on hand tools		Year 2 Rating		
	• store tool	□1	□ 1	<u> </u>	□ 1
		□ - □ 2	□ <u>-</u> □ 2	☐ 2	☐ 2
		3			
				🗆 🤊	
9.	Use power tools and equipment		Year 1	Rating	<u> </u>
	 wear appropriate personal protective equipment (PPE) 	□1	□ 1	□ 1	
	 select the correct tool for the job 	 2	 2	 2	
	• inspect tool	 ☐ 3	3	3	☐ 3
	operate the tool safely				
	perform routine maintenance on power tools		Year 2	L Rating	
	• store tool	□1	1	1	□ 1
		□ - □ 2	□ - □ 2	☐ -	☐ 2
		☐3			
		3	3	🗆 🌣	🗆 🌣

Occupational Competencies	Rating			
10. Perform materials handling		Year 1 Rating		
 identify materials necessary to complete the task 	□ 1	□ 1	□ 1	□ 1
 conserve resources and materials 	□ 2	□ 2	□ 2	□ 2
 retrieve equipment and materials needed 	 □3	 3	 3	 □3
 load and unload materials, tools, equipment, and supplies]		_
 lift, position, and secure materials during installation 		Year 2 I	Rating	
	□ 1	□ 1		□ 1
	□ 2	□ 2	□ 2	□ 2
	 □3	 3	 3	 ☐ 3
11. Install materials per job specifications		Year 1	Rating	
 retrieve equipment and materials needed 	1	□ 1	1	□ 1
 unload materials, tools, equipment, and supplies 	 □ 2	 □ 2	 2	 2
 lift, position, and secure materials during installation 	 ☐ 3	□-	 ☐ 3	□ 3
]
		Year 2 I	Rating	
	□1	□1	<u></u> 1	□1
	 □ 2	 2	 2	 2
	 □3	 □ 3	 □ 3	 ∏3
]
12. Perform construction measurements		Year 1	Rating	
 select measuring tool 	□1	□1	1	□1
read measurement accurately	 2	 □ 2	 ☐ 2	□ - □ 2
scale proportions		□ 2	□ 2	□3
 convert units of measurement 	ა	3	3	_
 estimate resources, materials, and supplies needed for a project 		Year 2 Rating		
record measurements	□1			□1
	□ -	□ ² □ 2	□ - □ 2	□ -
	∐3	∐ 3	∐ 3	∐ 3
13. Maintain a clean and safe work area		Year 1 l	Rating	
 clean and maintain materials and tools 	□1	□1	<u></u> 1	□ 1
 clean, organize, and put way items in the work area 	□ <u>-</u> □ 2	□ - □ 2	□ <u>-</u> □ 2	□ <u>-</u>
 store materials and tools after use 	□ ²	□ 2	□ 2	□3
 follow facility procedures for clean-up and shut down 	ა	3	3	
		Year 2 I	Rating	
	□1	1	1	□ 1
	□ <u>-</u> □ 2	□ - □ 2	□ - □ 2	□ - □ 2
	□ ²	□ 2	□2	□2
	3	3	3	⊃

Occupational Competencies	Rating			
14. Clean up job site		Year 1	Rating	
 clean and maintain materials and tools 	□ 1	□ 1	□ 1	□ 1
 store materials and tools after use 	□ 2	□ 2	□ 2	□ 2
 follow facility procedures for clean-up and shut down 	3	□3	□3	□3
		Year 2 I	Rating	
	□ 1	□ 1		□ 1
	☐ 2	□ 2	□ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
15. Practice quality craftsmanship		Year 1 I		
inspect and test work to determine quality manitor throughout for safety and quality	□ 1	□ 1	□ 1	□ 1
monitor throughout for safety and quality identify impact of building sades on quality of work	□ 2	<u> </u>	2	∐ 2
identify impact of building codes on quality of workverify work meets job expectation	☐ 3	□ 3	□ 3	☐ 3
verify work meets job expectation				
		Year 2 I		
	∐ 1	□ 1 —	□ 1	<u> </u>
	□ 2	<u> </u>	2	<u></u>
	□ 3	□ 3	□ 3	☐ 3
Competency Substitute (if you replaced a competency above, note the		Year 1 I		
competency and rating)	□ 1	1 1	<u></u> 1	<u> </u>
	□ 2	<u> </u>	2	∐ 2
	☐ 3	☐ 3	□ 3	☐ 3
		Year 2 I		
	∐1	∐ 1 □ 2		
	□ 2	☐ 2	□ 2	<u></u>
	∐ 3	∐ 3	∐ 3	∐3
Comments:				
Comments.				

Carpentry Specialty Skills	Rating			
	Evaluation			
	Minimum Rating of 2 EACH			
Competency and Rating Criteria	Check Rating			
		Mid	Mid	- : 1
	Initial	Year 1	Year 2	Final
16. Assist with finish framing or forming		Year 1	Rating	
 perform proper techniques for stair and railing construction per the 	□1	□1		□ 1
job specification		□ -	□ <u>-</u> □ 2	
 perform proper techniques for installing insulation per the job 				
specification		∐ 3	∐ 3	3
·				
perform proper techniques for installation of flooring per the job		Year 2	Rating	,
specification	□ 1	□ 1	□ 1	□ 1
 perform proper techniques for installation of plaster, drywall and/or 	□2	□2	□2	□ 2
painting	 3	 3	 3	
 perform proper techniques for assisting with the installation and/or 				
building of cabinets				
17. Assist with interior finishing	<u> </u>	Year 1	Rating	
 perform proper techniques for window and door trim regardless of 	□1	□ 1	□ 1	□ 1
material	□ 2	□ 2	□ 2	□ 2
 perform proper techniques for installation of doors and fire doors 	□ 3	П3	□3	□ 3
 perform proper techniques for the installation of windows and fire 		_	_	—
windows		Year 2 I	Rating	<u> </u>
 perform proper techniques for completion of trim work 	□1			□ 1
 perform proper techniques for the installation of specialty items][
p p	□ 2	□ 2	□ 2	□ 2
	∐3	∐ 3	∐ 3	
18. Assist with exterior finishing	<u> </u>	Year 1		
 perform proper techniques for application of vapor barriers, flashing 	□	∐ 1	∐1	□ 1
and siding	□ 2	□ 2	□ 2	□ 2
 perform proper installation of various types of windows 	□ 3	☐ 3	☐ 3	☐ 3
 perform proper installation of various exterior doors and/or garage 				
doors		Year 2	Rating	
 perform proper techniques for exterior trims (e.g., cornices, soffits, 	□1	□1	1	□ 1
downspouts and/or gutters)		□ - □ 2	□ - □ 2	
	∐3	∐ 3	∐ 3	

Competency Substitute (if you replaced a competency above, note the	Year 1 Rating			
competency and rating)	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	□ 1 □ 2 □ 3
		Year 2 I	Rating	
	☐ 1 ☐ 2 ☐ 3			
Comments:				

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