

2020/2021 Student Competency Record
Carpentry I
8601 - 36 weeks

<hr/> Student	<hr/> School Year
<hr/> School	<hr/> Teacher Signature

Traditional letter or numerical grades do not provide adequate documentation of student achievement in competency-based education; therefore, the Virginia Standards for CBE require a recording system to provide information about competencies achieved to employer, student-employee, and teacher. The Student Competency Record provides a means for keeping track of student progress. Ratings are assigned by the teacher for classroom competency achievement and by the teacher-coordinator in conjunction with the training sponsor when competence is evaluated on the job.

Tasks/competencies designated "Required" are considered essential statewide and are required of all students. In some courses, all tasks/competencies have been identified as required. Tasks/competencies marked "Optional" are considered optional; they and/or additional tasks/competencies may be taught at the discretion of the school division. Tasks/competencies marked with an asterisk (*) are considered sensitive, and teachers should obtain approval by the school division before teaching them. Student competency records should be kept as long as the student is enrolled in the school and for five years after the student graduates/leaves the school.

Note: Students with an Individualized Education Program (IEP) or an Individualized Student Alternative Education Plan (ISAEP) will be rated, using the following scale, only on the competencies identified in their IEP or ISAEP.

Students will be expected to achieve a **satisfactory rating** (one of the three highest marks) on the Student Competency Record (SCR) rating scale on at least 80% of the required (essential) competencies in a CTE course.

...RATING SCALE...

- 1 - Can teach others**
- 2 - Can perform without supervision**
- 3 - Can perform with limited supervision**
- 4 - Can perform with supervision**
- 5 - Cannot perform**

8601 36 weeks	Carpentry I TASKS/COMPETENCIES		Date	Rating
	Demonstrating Personal Qualities and Abilities			
Required	1	Demonstrate creativity and innovation.		
Required	2	Demonstrate critical thinking and problem solving.		
Required	3	Demonstrate initiative and self-direction.		
Required	4	Demonstrate integrity.		

Required	5	Demonstrate work ethic.		
Demonstrating Interpersonal Skills				
Required	6	Demonstrate conflict-resolution skills.		
Required	7	Demonstrate listening and speaking skills.		
Required	8	Demonstrate respect for diversity.		
Required	9	Demonstrate customer service skills.		
Required	10	Collaborate with team members.		
Demonstrating Professional Competencies				
Required	11	Demonstrate big-picture thinking.		
Required	12	Demonstrate career- and life-management skills.		
Required	13	Demonstrate continuous learning and adaptability.		
Required	14	Manage time and resources.		
Required	15	Demonstrate information-literacy skills.		
Required	16	Demonstrate an understanding of information security.		
Required	17	Maintain working knowledge of current information-technology systems.		
Required	18	Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.		
Required	19	Apply mathematical skills to job-specific tasks.		
Required	20	Demonstrate professionalism.		
Required	21	Demonstrate reading and writing skills		
Required	22	Demonstrate workplace safety.		
Examining All Aspects of an Industry				
Required	23	Examine aspects of planning within an industry/organization.		
Required	24	Examine aspects of management within an industry/organization.		
Required	25	Examine aspects of financial responsibility within an industry/organization.		
Required	26	Examine technical and production skills required of workers within an industry/organization.		
Required	27	Examine principles of technology that underlie an industry/organization.		
Required	28	Examine labor issues related to an industry/organization.		
Required	29	Examine community issues related to an industry/organization.		
Required	30	Examine health, safety, and environmental issues related to an industry/organization.		
Addressing Elements of Student Life				
Required	31	Identify the purposes and goals of the student organization.		
Required	32	Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.		
Required	33	Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.		
Required	34	Identify Internet safety issues and procedures for complying with acceptable use standards.		

	Exploring Work-Based Learning			
Required	35	Identify the types of work-based learning (WBL) opportunities.		
Optional	36	Reflect on lessons learned during the WBL experience.		
Required	37	Explore career opportunities related to the WBL experience.		
Optional	38	Participate in a WBL experience, when appropriate.		
	Applying Basic Construction Safety Standards (Core Safety)			
Required	39	Comply with federal, state, and local safety requirements.		
Required	40	Identify personal protective equipment (PPE) requirements.		
Required	41	Maintain a safe working environment.		
Required	42	Explain safe working practices around electrical hazards.		
Required	43	Identify emergency first-aid procedures.		
Required	44	Identify the types of fires and the methods used to extinguish them.		
Required	45	Inspect course-specific hand and power tools to visually identify defects.		
Required	46	Demonstrate lifting and carrying techniques.		
Required	47	Demonstrate safe laddering techniques.		
Required	48	Demonstrate safe scaffolding techniques.		
Required	49	Report personal injuries and environmental and equipment safety violations to the appropriate authority.		
Required	50	Earn the Construction Industry OSHA 10 card.		
Required	51	Pass a safety exam for lab/site safety and the use of tools and equipment specific to the construction industry.		
	Using Hand and Power Tools			
Required	52	Identify hand tools and power tools in carpentry.		
Required	53	Maintain hand and power tools.		
	Applying Mathematics Related to Carpentry and Construction			
Required	54	Demonstrate how to work with whole numbers.		
Required	55	Demonstrate how to work with fractions.		
Required	56	Demonstrate how to work with decimals.		
Required	57	Convert between fractions, decimals, and percentages.		
Required	58	Convert measurements between U.S. customary units and metric units of measurement.		
Required	59	Identify the geometric formulas for shapes common to carpentry.		
	Reading Blueprints			
Required	60	Identify basic blueprint terms, components, and symbols.		
	61	Identify classifications of drawings.		
Required	62	Interpret scale.		
	Performing Basic Carpentry Skills			
Required	63	Communicate verbally and in writing, using construction terminology.		
Required	64	Identify communication technology and hand signals common to the construction site.		
Required	65	Check stock and assemblies for squareness.		
Required	66	Measure materials, using a standard measuring device.		
Required	67	Determine whether a surface is level or plumb.		

Required	68	Handle materials.		
Required	69	Store materials.		
Required	70	Identify materials.		
Required	71	Examine energy efficiency in the construction industry.		
	Cutting and Shaping Stock			
Required	72	Cross cut and rip stock to size, using hand and power tools.		
Required	73	Bore holes, using hand and power tools.		
Required	74	Square stock to 90 degrees.		
Required	75	Cut a miter joint, using hand and power tools.		
	Working with Fasteners			
Required	76	Apply clamping devices.		
Optional	77	Fasten stock with metal fasteners (e.g., nails, screws, staples).		
	Identifying Elements of Foundations and Forms			
Required	78	Describe the functions of a builder's level and a laser level.		
Required	79	Identify procedures for form maintenance.		
	Identifying Elements of Floors			
Required	80	Identify the sill plate.		
Optional	81	Identify solid or engineered wood products.		
	82	Identify the Lally (i.e., basement pole) column.		
Required	83	Lay out floor framing detail on the sill plate.		
Required	84	Identify floor joists and alternative floor systems.		
Required	85	Identify the floor opening.		
Required	86	Identify bridging and blocking.		
Required	87	Identify subfloor sheathing.		
Required	88	Identify subfloor-framing fasteners and adhesives.		
	Identifying Elements of Walls			
Required	89	Cut wall plates.		
Required	90	Identify the framing layout on wall plates.		
Required	91	Identify wall framing members.		
Required	92	Identify types of door openings.		
Required	93	Identify types of window openings.		
Required	94	Identify metal-stud framing.		
Required	95	Identify types of exterior wall sheathing.		
	Identifying Elements of Ceilings			
Required	96	Identify ceiling-framing detail on the top wall plate.		
Required	97	Identify the ceiling opening.		
Required	98	Identify a strongback.		
	Identifying Elements of Roofs			
Required	99	Identify roof framing detail on the double top plate.		
Required	100	Identify common, valley, hip, and jack/cripple rafters.		
Required	101	Identify types of roof openings.		
Required	102	Identify types of roofing systems.		
	Identifying Basic Rigging Procedures			
Required	103	Identify the use of slings and common rigging hardware.		

