

2020/2021 Student Competency Record
Carpentry II
8602 - 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**

8602 36 weeks	Carpentry II 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	Pass a safety exam for lab/site safety and the use of tools and equipment specific to the construction industry.		
	Focusing on the Carpentry Profession			
Required	51	Identify the responsibilities and personal characteristics of a professional carpenter.		
Required	52	Research local and regional opportunities in the construction industry.		
Required	53	Describe the relationships among professional entities common to the construction industry.		
Required	54	Communicate verbally and in writing, using construction terminology.		
Required	55	Identify communication technology and hand signals common to the construction site.		
Required	56	Measure materials, using a standard measuring device.		
	Using Hand and Power Tools			
Required	57	Identify hand tools and power tools in carpentry.		
Required	58	Maintain hand and power tools.		
Required	59	Describe the safe use of nail guns.		
	Interpreting Blueprints			
Required	60	Correlate information on blueprints.		
Required	61	Interpret drawing dimensions.		
Required	62	Describe the importance of the Virginia Unified Statewide Building Code (USBC), what it governs, and how to use it as a reference.		
	Assembling and Fastening Components			

Required	63	Identify nailing schedules and patterns for selected materials, according to local building codes.		
Estimating and Selecting Materials				
Required	64	Determine materials from a blueprint.		
Required	65	Estimate labor and material cost.		
Required	66	Determine the use of materials.		
Building and Installing Foundations and Forms				
Required	67	Set up a builder's level or a laser level.		
Required	68	Establish elevation points from a benchmark.		
Required	69	Install batter boards.		
Required	70	Identify types of footings.		
Required	71	Describe wall-framing techniques (e.g., block, poured) used in masonry construction.		
Required	72	Describe the installation of window and door jambs in masonry openings.		
Required	73	Describe form maintenance.		
Framing a Floor				
Required	74	Install the sill plate.		
Optional	75	Install a solid or engineered wood beam/girder.		
Optional	76	Install the Lally column (i.e., basement pole).		
Required	77	Assemble floor framing detail on the sill plate.		
Required	78	Assemble floor joists.		
Optional	79	Frame the floor opening.		
Required	80	Install floor joists.		
Required	81	Install bridging and blocking.		
Required	82	Install subfloor sheathing.		
Required	83	Select subfloor framing fasteners and adhesives.		
Framing Walls				
Required	84	Lay out the floor deck for walls.		
Required	85	Lay out stud spacing on wall plates.		
Required	86	Assemble wall framing members.		
Required	87	Frame the door opening.		
Required	88	Frame the window opening.		
Required	89	Install the double-top plate (i.e., cap plate).		
Required	90	Install wall blocking (i.e., backing).		
Required	91	Describe the procedures and requirements for installing fire stops.		
Required	92	Install a corner brace.		
Required	93	Install exterior wall sheathing.		
Required	94	Raise a wall.		
Required	95	Cut metal studs.		
Required	96	Assemble wall sections, using alternative wall systems (e.g., metal studs).		
Framing a Ceiling				
Required	97	Lay out ceiling framing detail on the top wall plate.		

Required	98	Cut ceiling joists.		
Required	99	Install the ceiling joists.		
Optional	100	Frame the ceiling opening.		
Required	101	Install a strongback (i.e., stiffener or catwalk).		
	Framing a Roof			
Required	102	Identify types of roofs used in residential construction.		
Required	103	Lay out roof framing detail on the double-top plate.		
Required	104	Lay out the common, valley, hip, and jack/cripple rafters.		
Required	105	Lay out a common rafter as a pattern.		
Required	106	Reproduce common rafters from a pattern.		
Required	107	Install the ridgeboard.		
Required	108	Install common rafters.		
Required	109	Frame a gable end.		
Required	110	Install the collar ties (i.e., rafter ties).		
Required	111	Install roof sheathing.		
	Installing Trusses			
Required	112	Lay out for a truss installation.		
Required	113	Describe the safe setting and anchoring of trusses by hand or by crane.		
Required	114	Describe bracing the roof assembly.		
	Installing Roofing			
Required	115	Install roof underlayment.		
Required	116	Install asphalt roof shingles.		
Required	117	Install the ridge cap.		
Required	118	Identify attic area ventilators.		
	Constructing and Installing Straight (i.e., Basic) Stairs			
Required	119	Identify the types of stairways.		
Required	120	Identify components of stairs.		
Required	121	Calculate the rise and run for stairs.		
Required	122	Lay out a straight-run stair stringer.		
Required	123	Cut the stair components.		
Required	124	Construct the unfinished stair unit.		
	Installing Exterior Doors and Windows			
Required	125	Prepare rough openings for door and window units.		
Required	126	Identify types of exterior doors.		
Required	127	Identify types of interior doors.		
Required	128	Identify types of windows.		
Required	129	Install new-construction windows.		
	Installing Exterior Finishes			
Required	130	Construct a box or rake cornice.		
Required	131	Install a fascia.		
Required	132	Install a soffit.		
Required	133	Install a corner trim for siding.		
Required	134	Install siding and accompanying accessories.		

