



**Nebraska Career Pathways Project**

**SKILLED AND TECHNICAL SCIENCES**

***Manufacturing Cluster Technical Knowledge and Skills  
High School/College CABINETMAKING Student Checklist***

				STUDENT:	DATE:
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>N = Not Exposed to Performance Element, 1 = Progressing with Performance Element, 2 = Mastery of Performance Element</b>	
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>Machine Safety (C.S)</b>	
			<b>C.S.1</b>	<i>Demonstrates personal safety</i>	
			<b>C.S.2</b>	<i>Demonstrates general shop safety</i>	
			<b>C.S.3</b>	<i>Understands and practice safe operation of the machines and equipment now being used</i>	
			<b>C.S.4</b>	<i>Demonstrates knowledge of proper actions to be taken in an emergency</i>	
			<b>C.S.5</b>	<i>Knows and demonstrate an understanding of safety codes and rules used to safeguard self, other workers and the equipment and tooling</i>	
			<b>C.S.6</b>	<i>Is able to read, understand and follow a Material Safety Data Sheet (MSDS)</i>	
			<b>C.S.7</b>	<i>Demonstrates safe work habits when performing any of the machining, bench work, material handling or measurement competencies</i>	
			<b>C.S.8</b>	<i>Recognizes and corrects unsafe work practices</i>	
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>Application of Wood Veneers and Plastic Laminates (C.VL)</b>	
			<b>C.VL.1</b>	<i>Apply adhesives, edge banding and wood edges</i>	
			<b>C.VL.2</b>	<i>Apply laminate to core</i>	
			<b>C.VL.3</b>	<i>Cut plastic to size</i>	
			<b>C.VL.4</b>	<i>Fit plastic laminate joints</i>	
			<b>C.VL.5</b>	<i>Trim edges</i>	
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>Assembly, Fastening and Installation of Components (C.AFI)</b>	
			<b>C.AFI.1</b>	<i>Apply clamping devices</i>	
			<b>C.AFI.2</b>	<i>Assemble drawers, panel door and joint</i>	

			<b>C.AFI.3</b>	<i>Assemble ends, back, bracing and face frame</i>
			<b>C.AFI.4</b>	<i>Attach molding / trim</i>
			<b>C.AFI.5</b>	<i>Fasten parts with nails, screws and staples</i>
			<b>C.AFI.6</b>	<i>Fasten top to casework</i>
			<b>C.AFI.7</b>	<i>Glue boards edge to edge</i>
			<b>C.AFI.8</b>	<i>Install catches, doors, drawer rail and guides, hinges, pulls and knobs, shelves and track and slide for sliding doors</i>
			<b>C.AFI.9</b>	<i>Reinforce joints with block / dowel / biscuit</i>
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>Cutting and Shaping Components (C.CS)</b>
			<b>C.CS.1</b>	<i>Cut butt joint</i>
			<b>C.CS.2</b>	<i>Shape counter top</i>
			<b>C.CS.3</b>	<i>Cut dado/rabbet joint</i>
			<b>C.CS.4</b>	<i>Manufacture edge joint using dowel / biscuit</i>
			<b>C.CS.5</b>	<i>Cut miter joint</i>
			<b>C.CS.6</b>	<i>Cut molding trim</i>
			<b>C.CS.7</b>	<i>Cut mortise and tenon joint</i>
			<b>C.CS.8</b>	<i>Cut tongue and groove joint</i>
			<b>C.CS.9</b>	<i>Cut drawer guides and runners (rails)</i>
			<b>C.CS.10</b>	<i>Cut drawer front, sides, back and bottom</i>
			<b>C.CS.11</b>	<i>Cut ends, back and interior bracing</i>
			<b>C.CS.12</b>	<i>Cut face frame</i>
			<b>C.CS.13</b>	<i>Cut and shape frames and panels</i>
			<b>C.CS.14</b>	<i>Cut shelving</i>
			<b>C.CS.15</b>	<i>Cut out for sink</i>
			<b>C.CS.16</b>	<i>Edge (shape) counter top</i>
			<b>C.CS.17</b>	<i>Plane stock</i>
			<b>C.CS.18</b>	<i>Square solid stock</i>
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>Designing and Laying Out (C.DL)</b>
			<b>C.DL.1</b>	<i>Sketch shop plans</i>
			<b>C.DL.2</b>	<i>Draw detailed plans</i>
			<b>C.DL.3</b>	<i>Determine materials from a blueprint</i>
			<b>C.DL.4</b>	<i>Estimate labor and material costs</i>
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>Finishing Surfaces (C.FS)</b>
			<b>C.FS.1</b>	<i>Apply wood filler to nail or screw holes</i>

			<b>C.FS.2</b>	<i>Remove excess glue</i>
			<b>C.FS.3</b>	<i>Swell dents</i>
			<b>C.FS.4</b>	<i>Sand surfaces</i>
			<b>C.FS.5</b>	<i>Clean Surfaces</i>
			<b>C.FS.6</b>	<i>Apply lacquers, paints, stains, varnishes/polyurethane</i>
<b>2</b>	<b>1</b>	<b>N</b>	<b>CODE</b>	<b>Transportation and Installation of Cabinets (C.TI)</b>
			<b>C.TI.1</b>	<i>Fasten cabinet to wall</i>
			<b>C.TI.2</b>	<i>Trim cabinets</i>
			<b>C.TI.3</b>	<i>Prepare cabinets for transporting</i>