



Stockton Unified School District

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Essential Outcomes Chart: What is it we expect students to learn?

Grade:	10-12	Subject:	Woodshop Level One	Two Semesters		Team Members:	David Castillo	
Standard Description		Example Rigor		Prerequisite Skills		Common Assessment	When Taught?	Extension Standards
What is the essential standard to be learned? Describe in student-friendly vocabulary.		What does proficient student work look like? Provide an example and/or description.		What prior knowledge, skills, and/or vocabulary is/are needed for a student to master this standard?		What assessment(s) will be used to measure student mastery?	When will this standard be taught?	What will we do when students have learned the essential standard(s)?
1. Students understand measurement systems in the planning and layout process used in the cabinetmaking and wood products industry: A1.0		Students will have <ul style="list-style-type: none"> Know design solutions to common problems in cabinetmaking and wood products. Understand calculation procedures for materials and production requirements for wood product designs. Convert scaled drawing measurements to full dimensional layout and template applications. Know conventional measurement processes for cabinetmaking and wood products, linear measurements, and conversions of fractions and decimals 		<ul style="list-style-type: none"> An understanding of stander unit of measurement. 		<ul style="list-style-type: none"> class observation 	All year	Students who have acquired mastery of the skill will be able to use different types of measurement in the completion of wood project.

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<p>2. Students understand the safe and appropriate use of hand tools common to the cabinetmaking and wood products industry: A 1.0</p>	<p>Students will have</p> <ul style="list-style-type: none"> • Use common hand tools and accessories, such as planers, shapers, clamping and gripping tools, pliers, wrenches, wood chisels, hammers, hand saws, and squares. • Safely and properly. Maintain and care for common hand tools. 		<ul style="list-style-type: none"> • class observation 	<p>All year</p>	<p>Students who have acquired mastery of the skill will be able to use different types of hand tools in the completion of wood project.</p>
<p>3. Students understand how to make effective decisions, use career information, and manage personal career plans: 3.0</p>	<p>Students will have</p> <ul style="list-style-type: none"> • Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers. • Understand the scope of career opportunities and know the requirements for education, training, and licensure. • Develop a career plan that is designed to reflect career interests, pathways, and postsecondary options. • Understand the role and function of professional organizations, industry associations, and 		<ul style="list-style-type: none"> • Class project on personal career plans. 	<p>August-November</p>	<p>Students will have an education and career plan.</p>

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	<p>organized labor in a productive society.</p> <ul style="list-style-type: none"> • Understand the past, present, and future trends that affect careers, such as technological developments and societal trends, and the resulting need for lifelong learning. • Know important strategies for self-promotion in the hiring process, such as job applications, résumé writing, interviewing skills, and preparation of a portfolio. • Understand the nature of entrepreneurial activities. 				
<p>4. Health and Safety Students understand health and safety policies, procedures, regulations, and practices, including the use of equipment and handling of hazardous materials: . 6.0</p>	<p>6.1 Know the policies, procedures, and regulations regarding health and safety in the workplace, including employers' and employees' responsibilities. 6.2 Understand critical elements of health and safety practices related to storing, cleaning, and maintaining tools, equipment, and supplies. 6.3 Know</p>	<p>•</p>	<p>•</p>		

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	<p>procedures for and regulations concerning the handling, storage, and disposal of hazardous materials. 6.4 Know how regulatory agency laws and regulations are created and enforced. 6.5 Evaluate past, present, and future impacts of technological developments on the environment. 6.6 Understand the importance of identifying health and safety problems as well as asking for help or approaching supervisors to discuss concerns.</p>				
<p>5. Leadership and Teamwork Students understand effective leadership styles, key concepts of group dynamics, team and individual decision making, the benefits of workforce diversity, and conflict resolution: 9.0</p>	<p>9.1 Understand the characteristics and benefits of teamwork, leadership, and citizenship in the school, community, and workplace settings. 9.2 Understand the ways in which preprofessional associations, such as SkillsUSA, and competitive career development activities enhance academic skills, promote career choices, and contribute to employability. 9.3 Understand how to organize and structure work individually and in teams for effective</p>		<ul style="list-style-type: none"> • 		<ul style="list-style-type: none"> •

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	<p>performance and the attainment of goals. 9.4 Know multiple approaches to conflict resolution and their appropriateness for a variety of situations in the workplace. 9.5 Understand how to interact with others in ways that demonstrate respect for individual and cultural differences and for the attitudes and feelings of others. 9.6 Communicate ideas to justify positions, persuade and convince others, confirm responsibility, and evaluate existing policies and procedures.</p>				
<p>6. Students understand the essential knowledge and skills common to all pathways in the Building Trades and Construction sector10.0:</p>	<ul style="list-style-type: none"> • Understand construction processes and systems and their importance in construction technology. • Maintain and troubleshoot equipment used in the construction industry. • Use, store, and allocate materials efficiently, and use space efficiently. • Understand the planning and design, construction, and servicing of structures 	<ul style="list-style-type: none"> • essential knowledge and skills common to all pathways in the Building Trades and Construction sector: 			

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	<p>and electromechanical systems in relation to construction activities.</p> <ul style="list-style-type: none">• Understand the resources used to transport people and goods in the construction industry.• Understand universal graphic conventions and symbols and technical manuals and specifications.• Understand the attributes of good design.• Understand the role of the construction industries sector in the California economy.• Understand the need to participate in sector-related professional improvement activities, other career technical education leadership and skill associations, and related career pathway specializations.• Understand the need to				
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	<p>obtain and maintain industry-standard, technical certifications significant to an industry sector.</p> <ul style="list-style-type: none"> • Understand the role of labor unions, both historically and currently, and the impact of unions on worker rights and protections, including wages, working conditions, health and safety, and benefits. 				
<p>7. Students understand measurement systems in the planning and layout process used in the cabinetmaking and wood products industry: A1.0</p>	<ul style="list-style-type: none"> • Know design solutions to common problems in cabinetmaking and wood products. • Understand calculation procedures for materials and production requirements for wood product designs. • Convert scaled drawing measurements to full dimensional layout and template applications. • Know conventional measurement processes for cabinetmaking and wood products, linear measurements, and 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 		

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	conversions of fractions and decimals.				
8. Students understand the safe and appropriate use of hand tools common to the cabinetmaking and wood products industry: A2.0	<ul style="list-style-type: none"> • Use common hand tools and accessories, such as planers, shapers, clamping and gripping tools, pliers, wrenches, wood chisels, hammers, hand saws, and squares, safely and properly. • Maintain and care for common hand tools. 	•	•		
9. Students understand the safe and appropriate use of portable power tools common to the cabinetmaking and wood products industry: A3.0	<ul style="list-style-type: none"> • Use portable power tools, such as single and compound miter saws, drills, sanders, saber saws, and routers, safely and appropriately. • Use pneumatic tools, such as pneumatic clamps, grips, framing nail guns, and finishing and brad nail guns, safely and properly. • Maintain and care for portable power and pneumatic tools. 	•	•		
10. Students understand the safe and appropriate use of stationary power machines	<ul style="list-style-type: none"> • Understand the proper and safe use of stationary power tools used in the milling process, such as 	•	•		

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<p>and equipment common to the cabinetmaking and wood products industry: A4.0</p>	<p>shapers, sanders, joiners, table saws, and band saws.</p> <ul style="list-style-type: none"> • Understand the proper and safe use of stationary power tools used in the • Assembly process, such as pneumatic table clamps, case clamps, case frame fasteners, and hardware fasteners 				
<p>11. Students understand procedures and processes as they occur in the cabinetmaking and wood products industry: A5.0</p>	<ul style="list-style-type: none"> • Know how to read, understand, design, and construct cabinets accurately from cabinetmaking fabrication and installation plans and specifications. • Understand how to estimate a bill of materials from drawings and specifications for constructing cabinets. • Understand how to create a job schedule in a cabinetmaking project. • Solve common cabinetmaking problems by using construction codes 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 		

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	<ul style="list-style-type: none"> and cabinet building standards stated in the Manual of Millwork • Understand recordkeeping procedures in all phases of cabinetmaking (e.g., time accounting, cost of goods). 				
<p>12. Students understand the value and necessity of practicing occupational safety in the cabinetmaking industry or shop: A6.0</p>	<ul style="list-style-type: none"> • Know the safety rules in the cabinetmaking work environment. • Use hand tools (wood chisels, drills, coping saws) and power tools (routers, sanders, planers) safely in the cabinet working environment. • Understand how to handle and dispose of toxic materials safely and use protective clothing as needed when using lacquers, acetone, thinners, staining materials, and so forth in an environmentally responsible manner. 	•	•		
<p>12. Students understand the variety of production processes used in the cabinetmaking and wood products industry: A7.0</p>	<ul style="list-style-type: none"> • Design and create cabinet and wood products. • Develop a production plan, including the layout, bill of materials, and cost analysis, for the production of cabinets or wood 	•	•		

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	<p>products.</p> <ul style="list-style-type: none">• Use stationary and portable power tools in milling the components for cabinets and wood products.• Use stationary and portable power tools in the assembly of cabinet and wood product components.• Use finish tools (e.g., airless sprayers, palm sanders) and techniques for finishing cabinets and wood products.• Use installation tools and understand the processes for the installation of cabinets, millwork, and wood products.				
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*Months of instruction are tentative. Standards often change or are revisited based on the text (scripts) we are performing and the needs of the production.

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