



Stockton Unified School District

EDISON HIGH SCHOOL

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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)?
6.0 Health and Safety Demonstrate health and safety procedures, regulations, and personal health practices and determine the meaning of symbols, key terms, and domain-specific words and phrases as related to the Building and Construction Trades sector workplace environment. (Direct alignment with RSTS 9-10, 11-12.4)		Students will have Know the policies, procedures, and regulations regarding health and safety in the workplace, including employers' and employees' responsibilities. Understand critical elements of health and safety practices related to storing, cleaning, and maintaining tools, equipment, and supplies. Know procedures for and regulations concerning the handling, storage, and disposal of hazardous materials. Know how regulatory agency laws and regulations are created and enforced. Evaluate past, present, and future impacts of technological developments on the environment. Understand the importance of identifying health		An understanding of stander unit of measurement. Any knowledge and skills common to all pathways in the Building Trades and Construction sector			As part a part of the Learning objectives during the year	Students who have acquired mastery of the skill will be able to use different types of hand tools in the completion of wood project.

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	and safety problems as well as asking for help or approaching supervisors to discuss concerns.				
3,0 Students understand how to make effective decisions, use career information, and manage personal career plans:	<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 organized labor in a productive society. 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. 	Any knowledge and skills common to all pathways in the Building Trades and Construction sector	<ul style="list-style-type: none"> Class project on personal career plans. 	August-November	Students will have an education and career plan.

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	Understand the nature of entrepreneurial activities.				
9.0 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:	Understand the characteristics and benefits of teamwork, leadership, and citizenship in the school, community, and workplace settings. Understand the ways in which paraprofessional associations, such as SkillsUSA, and competitive career development activities enhance academic skills, promote career choices, and contribute to employability. Understand how to organize and structure work individually and in teams for effective performance and the attainment of goals. Know multiple approaches to conflict resolution and their appropriateness for a variety of situations in the workplace. Understand how to interact with others in ways that demonstrate respect for individual and cultural differences and for the attitudes and feelings of others. Communicate ideas to justify positions, persuade and convince others, confirm responsibility, and evaluate existing policies and procedures.	Any knowledge and skills common to all pathways in the Building Trades and Construction sector	Written test Demonstration informal observation Project completion.	As part a part of the Learning objectives during the year	Students who have acquired mastery of the skill will be able to use different types of hand tools in the completion of wood project.
10.0 Technical Knowledge and Skills Students understand the	Interpret and explain terminology and practices specific to the Building and Construction Trades sector. Comply with the rules,	Any knowledge and skills common to all pathways in the	Written test Demonstration informal observation Project completion.	As part a part of the Learning objectives during the year	Students who have acquired mastery of the skill will be able to use different types of hand

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	<p>regulations, and expectations of all aspects of the Building and Construction Trades sector. .3 Construct projects and products specific to the Building and Construction Trades sector requirements and expectations. Collaborate with industry experts for specific technical knowledge and skills. Demonstrate the basic care, proper maintenance, and use of hand, portable, and stationary tools related to the Building and Construction trades.</p>	<p>Building Trades and Construction sector</p>			<p>tools in the completion of wood project.</p>
<p><u>Essential Question</u> A1.0 Demonstrate competence in planning, design, layout, and technical drawing interpretation for practical use in cabinetmaking and millworking</p>	<p>Identify common sizes in relation to furniture and cabinets. Describe the relationship between the function and form of a cabinet. Calculate board, square, and linear feet. Estimate material costs. Apply design elements: shapes, textures, lines, and colors to create functional and attractive cabinets, furniture, and millwork. Apply principles of design, harmony, repetitions, balance, and proportion to create functional and attractive cabinets, furniture, and millwork. Read and interpret technical drawings. Sketch a project using manual drawing techniques. Use drafting tools to create a pictorial and working drawing for a basic cabinet</p>				

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<p>A4.0 Demonstrate proper selection and use of woodworking tools.</p>	<p>Demonstrate the accurate use of common measuring and layout tools. Demonstrate the accurate use of common measuring and layout tools. Select the proper layout tools for specific tasks. Select the proper cutting tools for specific operations (e.g., straight cuts, curves, drilling holes). Select the most appropriate blade for a given operation. Select the proper boring tools for specific operations. Select the proper hand-shaping tools for specific operations. Select proper clamping tools for specific operations. Select the proper layout tools for specific tasks. Select the proper cutting tools for</p>	<p>Any knowledge and skills common to all pathways in the Building Trades and Construction sector</p>	<p>Written test Demonstration informal observation Project completion.</p>	<p>As part a part of the Learning objectives during the 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>
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specific operations (e.g., straight cuts, curves, drilling holes). Select the most appropriate blade for a given operation. Select the proper boring tools for specific operations. Select the proper hand-shaping tools for specific operations. Select proper clamping tools for specific operations.

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<p>A5.0 Identify wood products and materials used in the furniture and cabinetmaking industry and describe their characteristics and uses.</p>	<p>Define the difference between a hardwood and softwood. Identify several different species of hardwood and their characteristics that are common to the cabinetmaking and millwork industry. Identify several different species of softwood and their characteristics that are common to the cabinetmaking and millwork industry. Identify common defects found in wood and list possible solutions. Identify and be able to differentiate panel products and their uses in the cabinetmaking industry. Describe the cutting and handling techniques used for sheet goods. Compare and contrast the advantages and disadvantages of sheet goods versus solid wood stock.</p>	<p>An understanding of stander unit of measurement. Any knowledge and skills common to all pathways in the Building Trades and Construction sector</p>	<p>Written test Demonstration informal observation Project completion</p>	<p>As part a part of the Learning objectives during the 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>A7.0 Demonstrate competence in various construction processes in the cabinetmaking, furniture making, and millworking industries</p>	<p>Square and surface a board to a specific size. Demonstrate common case construction. Demonstrate common frame and panel construction. Construct a case with a face frame using appropriate construction techniques. Construct a frameless case using appropriate construction techniques. Construct a cabinet drawer using appropriate construction techniques. Construct a cabinet door using appropriate construction techniques. Demonstrate the use of a jig,</p>	<p>An understanding of stander unit of measurement. Any knowledge and skills common to all pathways in the Building Trades and Construction sector</p>	<p>Written test Demonstration informal observation Project completion.</p>	<p>As part a part of the Learning objectives during the 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>

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	template, or fixture in a production project. Use appropriate methods and tools to check the accuracy of a project. Demonstrate the use of a mass production technique (i.e., parts duplication and assembly processes). Lay out, install, and adjust the appropriate drawer hardware to include drawer slides and pulls. Lay out, install, and adjust the appropriate door hardware to include European and standard hinges.				
A8.0 Utilize appropriate abrasives to prepare a project for a specific finish.	Select the proper abrasive for shaping and smoothing materials. Select the proper grit sizes and sequences for shaping and smoothing operations. Demonstrate proper selection, application, and cleaning methods for various types of filler materials. Properly prepare a surface for finishing.	Any knowledge and skills common to all pathways in the Building Trades and Construction sector	Written test Demonstration informal observation Project completion.	As part a part of the Learning objectives during the year	Students who have acquired mastery of the skill will be able to use different types of hand tools in the completion of wood project.
A9.0 Understand finishes and when to apply paint, stains, sealers, varnishes, and catalyzed finishes, including water- and oil-	Demonstrate proper selection and application methods of different types of stains for a specific	Any knowledge and skills common to all pathways in the Building Trades and Construction sector	Written test Demonstration informal observation Project completion.	As part a part of the Learning objectives during the year	Students who have acquired mastery of the skill will be able to use different types of hand

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based finishes.	application. Demonstrate cleaning procedure for various types of stains. Select the proper type of sealer and finish coat for a specific application. Demonstrate proper application methods for different types of sealers and finish coats. Demonstrate cleaning procedures for various types of sealer and finish coats. Apply a suitable finish to a specific cabinet or millwork project.				tools in the completion of wood project.
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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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