



Stockton Unified School District

EDISON HIGH SCHOOL

Home of the Vikings



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

Grade:	9-12	Subject:	Construction level Tree	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)?
1.0 Academics Students understand the academic content required for entry into postsecondary education and employment in the Building Trades and Construction sector.		A proficient student will use academic processes while collaborating with peers and the adults. As it pertains to Trades and Construction sector.		<ul style="list-style-type: none"> • basic math • vocabulary • Cornell notes • Safety processes and procedures. • 		<ul style="list-style-type: none"> • Written test • Demonstration • informal observation • Project completion. 	All year	Give Students the opportunity to practice and refine the skill through engagement in the class room and in the community.
2.0 Career Planning and Management Students understand how to make effective decisions, use career information, and manage personal career plans:		A proficient student will be able to make informed choices as it pertains to education and career goals.		<ul style="list-style-type: none"> • An understanding of the construction industry • The ability to research effectively • Communicate in a professional manner 		<ul style="list-style-type: none"> • Written test • Demonstration • informal observation • Project completion. 	All year	Encourage students to set goals that are challenging but reachable.

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<p>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:</p>	<p>A proficient student will be able to work effectively with groups of people for a diversity of cultures, use processes and procedures that are conducive to group project completion.</p>	<ul style="list-style-type: none"> • Communication skills • Be open to new ideas • Willing to work as part of a group. 	<ul style="list-style-type: none"> • Written test • Demonstration • informal observation • Project completion 	<p>All year</p>	<p>Give student opportunities to participate at different level and responsibility throughout the year.</p>
<p>D3.0 Interpret and apply information from technical drawings, schedules, and specifications used in the construction trades.</p>	<p>A proficient student will be able to read plans, use the information on them to complete a project. With minimal supervision.</p>	<ul style="list-style-type: none"> • Visualization skills • An understanding of systems. • Art skills • Imagination 	<ul style="list-style-type: none"> • Written test • Demonstration • informal observation • Project completion 	<p>All year</p>	<p>Introduces Students to project and plans that have a higher level of complexity</p>
<p>A7.0 Students understand how to systematically complete an architectural project:</p>	<p>A proficient student will be able develop a building proposal the includes architectural design concepts and elements that p</p>	<ul style="list-style-type: none"> • Visualization skills • Willing to work as part of a group. • Recognize different architecture style • Communication skills • Willing to work as part of a group. 	<ul style="list-style-type: none"> • Written test • Demonstration • informal observation • Project completion 	<p>As part a part of the objectives during the year.</p>	<p>Introduces Students to project and plans that have a higher level of complexity</p>
<p>A1.0 Students understand the ways in which architecture is shaped by history and know significant events in the history of structural engineering</p>	<p>A proficient student will have knowledge of events that moved architecture and engineering in the direction of innovation and sustainability.</p>	<ul style="list-style-type: none"> • Academic core skills. • Technology • Willing to work as part of a group. 	<ul style="list-style-type: none"> • Written test • Demonstration • informal observation • Project completion 	<p>As part a part of the objectives during the year.</p>	<p>Introduces Students to project and plans that have a higher level of complexity</p>

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		<ul style="list-style-type: none"> Willing to work as part of a group. 			
A6.0 Students understand the use of computer-aided drafting and design (CADD) in developing architectural designs:	A proficient student will be able to complete plans for a single family home including title blocks, site plan, foundation, framing, roof, elevation, and details sheets.	<ul style="list-style-type: none"> basic math vocabulary An understanding of the construction industry Measurements Blueprint reading Recognize different architecture style Communication skills Willing to work as part of a group. 	<ul style="list-style-type: none"> Written test Demonstration informal observation Project completion 	As part a part of the objectives during the year.	Introduces Students to project and plans that have a higher level of complexity
		•	•		
C4.0 Students use proper projection techniques to develop orthographic drawings:		•	•		
C6.0 Students understand and apply proper dimensioning to drawings:		•	•		

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D5.0 Students understand the design process and how to solve analysis and design problems:		•	•		
D6.0 Demonstrate carpentry techniques for the construction of a single-family residence.		•	•		
D7.0 Demonstrate proper installation techniques of interior finish materials and protective finishes.		•	•		
D8.0 Demonstrate the application of exterior finish materials and protective finishes in building construction.		•	•		
D9.0 Understand, integrate, and employ sustainable construction practices in the building trades.		•	•		
		•	•		
		•	•		

*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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