

High School Name:	Gaston High School
Community College Name:	Portland Community College
CTE Program of Study Name:	Building Construction Technology
Date:	2/8/2016

Construction Cluster

Skills-to-Course Matrix

Instructions: 1) Click on Sample High School above and enter your High School Name above. 2) Enter the community college name. 3) Enter the Program of Study name. 4) Enter the date. 5) Click on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6) Check those courses that trigger the TSA for this POS. 7) Finally, check those standards that are taught with intent and purpose in each course. (You only need to use the optional Focus Area tabs if you are using those skill sets for multiple options in a Program of Study or if you want to use another set of industry validated standards.)

Cluster Knowledge and Skills (CTE standards)		<input type="checkbox"/> Woods 1	TSA?	<input type="checkbox"/> Woods 2	TSA?	<input type="checkbox"/> Woods 3	TSA?	<input type="checkbox"/> Woods 3	TSA?	<input type="checkbox"/> Woods 4	TSA?	<input type="checkbox"/>	TSA?
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COZ01.01	Perform math operations such as estimating and distributing materials and supplies to complete jobsite/workplace tasks.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ01.02	Apply principles of science as they relate to worksite/jobsite situations to work with materials and load applications.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ02.01	Use vocabulary and visual cues commonly used in design and construction to be successful in workplace/jobsite communications.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ03.01	Create and implement project plans considering available resources and requirements of a project/problem to accomplish realistic planning in design and construction situations.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ03.02	Evaluate and adjust design and construction project plans and schedules to respond to unexpected events and conditions.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ05.01	Examine how the roles and responsibilities among trades/professions work in relationship to complete a project/job.	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ05.02	Examine all factors effecting the project and the planning process.	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ05.03	Understand and manage union-management relationships and contracts to create a cooperative work environment.	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ06.01	Comply with regulations and applicable codes to establish a legal and safe workplace/jobsite.	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ06.02	Assess and control the types and sources of workplace hazards to ensure a safe workplace and jobsite.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ07.01	Establish specific goals to manage project assignments in a timely manner.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ08.01	Recognize legal and ethical relationships between employees and employers to establish workplace/jobsite rules, regulations and guidelines in a design and/or construction setting.	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ08.02	Read regulations and contracts to ensure ethical and safety elements are observed.	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ08.03	Use ethical and legal standards to avoid conflicts of interest in a design and/or construction setting.	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
COZ09.01	Explain written organizational policies, rules and procedures common in design and construction settings to help employees perform their jobs.	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
COZ09.02	Recognize the responsibilities and personal characteristics of a professional craftsperson to develop personal goals for professionalism.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
COZ10.01	Read, interpret, and use technical drawings, documents, and specifications to plan a project.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
COZ10.02	Use and maintain appropriate tools, machinery, equipment, and resources to accomplish project goals.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
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