Georgia CTAE

Introduction to Construction (2013)

Demonstrate employability skills required by business and industry. AC-IC-1	1 **Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities.** AC-IC-1.1
	2 **Demonstrate creativity by asking challenging questions and applying innovative procedures and methods.** AC-IC-1.2
	3 **Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations.** AC-IC-1.3
	4 **Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity.** AC-IC-1.4
	5 **Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills.** AC-IC-1.5
	6 **Present a professional image through appearance, behavior and language.** AC-IC-1.6
Demonstrate and explain knowledge of the history and traditions of the building trades. AC-IC-2	1 **Describe and explain the history of carpentry, masonry, plumbing, electrical and HVAC.** AC-IC-2.1
	2 **Describe and explain the association of the history of the trades with other events in history.** AC-IC-2.2
	3 **Demonstrate a basic understanding of the history of the tools related to each craft.** AC-IC-2.3
Demonstrate knowledge and application of general construction and specific OSHA and EPA safety concepts and practices. AC-IC-3	1 **Demonstrate an understanding of the applications of Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) regulations concerning Personal Protective Equipment (PPE).** AC-IC-3.1
	2 **Demonstrate an understanding of the applications of OSHA and EPA regulations concerning environmental issues on the construction site.** AC-IC-3.2
	Describe and explain the importance of building codes. AC-IC-3.3

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	4 Evaluate sustainable building practices. AC-IC-3.4
Demonstrate the professional and safe use of basic tools used in the building trades. AC-IC-4	1 Demonstrate safe use of basic tools of the trade areas. AC-IC-4.1
	2 Demonstrate proper care and maintenance of the basic tools. AC-IC-4.2
	3 Demonstrate the use of proper tools for specific building procedures. AC-IC-4.3
	4 Demonstrate knowledge of specific regulations related to specific tools. AC-IC-4.4
Differentiate between the different building trades' plans and specifications. AC-IC-5	1 Demonstrate evaluating specific types of plans and drawings. AC-IC-5.1
	2 Compare differences in symbols between the building trades. AC-IC-5.2
	3 Accurately explain terms and abbreviations for each building trade area. AC-IC-5.3
	4 Accurately estimate materials needed based on the provided blueprints. AC-IC-5.4
Examine how SkillsUSA is a co-curricular part of career and technical education through leadership development, school and community service projects, and competitive events. AC-IC-6	1 Explain the purpose, mission, objectives, motto, colors, official dress and other distinguishing characteristics of SkillsUSA. AC-IC-6.1
	2 Explain how participation in SkillsUSA can promote lifelong responsibility for community service, professional growth and development. AC-IC-6.2
	3 Explore the impact and opportunities that SkillsUSA can develop to bring business and industry together with education in a positive working relationship through innovative leadership and career development programs. AC-IC-6.3
	4 Explore the local, state, and national opportunities available to students through participation in SkillsUSA, including but not limited to conferences, competitions, community service, philanthropy, and other SkillsUSA activities. AC-IC-6.4