LAUSD Division of Adult and Career Education

Career Technical Education (CTE) Course Outline

Course Title:	Introduction to Supply Chain Logistics & Construction Careers
Course Number:	79-90-99
Date:	July 2025
Industry Sector:	Transportation, Building & Construction Trades
Pathway:	Operations, Systems Diagnostics, Service & Repair, Residential & Commercial Construction
CBEDS Title:	Warehouse Operations, Truck & Bus Driving, Introduction to Building & Construction Trades
CBEDS Code:	5687, 5662, 5501
CalPADS	8510, 7340
Credits:	5

Hours:	Total
	90

Course Description:

This competency-based course is designed to prepare students to obtain exposure to trades in the transportation and construction industry by providing hands-on projects in framing, electrical, forklift fundamentals, truck driving fundamentals, and industry partners field trips. The curriculum covers a wide range of topics including, introduction, safety, First Aid/CPR/AED, tools and equipment, basic framing, electrical fundamentals, forklift fundamentals, truck driving fundamentals, employability skills, and resume preparation. The competencies in this course are aligned with the California Common Core Standards and the California Career Technical Education Model Curriculum Standards.

Upon successful completion of the class, students will receive a Heartsaver First Aid CPR card.

Prerequisites:	Enrollment requires a reading level of 9.0 as measured by the CASAS GOALS reading comprehension test.
NOTE:	For Perkins purposes this course has been designated as an introductory course.

A-G Approval	This course cannot be repeated once a student receives a Certificate of Completion. N/A
Methods of Instruction:	Lecture and discussion, multimedia presentations, visual aids, projects individualized instruction
Student Evaluation:	Summative: End of section assessments
Industry Certification:	N/A
Recommended Texts:	J.J. Keller, Forklift Drivers Safety Handbook, J.J. Keller & Associates, Inc., May 20, 2020 J.J., Keller. Entry-Level Driver Training: Obtaining a CDL – Student Manual, J.J. Keller & Associates, Inc., September 2020 Wagner, Willis, Huth, Mark, & Smith, Howard. Modern Carpentry, 13th Edition. G-W Publishing, 2022.
Link to Resource Folder	https://bit.ly/introtosupplychainresources

COMPETENCY AREAS AND STATEMENTS	MINIMAL COMPETENCIES	STANDARDS
A. INTRODUCTION Understand, apply, and evaluate classroom and workplace policies and procedures.	 Describe and discuss the scope and purpose of the course. Discuss and explain classroom policies and procedures. Discuss and demonstrate basic computer skills. Discuss, identify, research, and draw conclusions on the different career paths, occupations, employment outlook, wages, and career advancements in the Transportation, Building and Construction Trades industry sector. Describe the opportunities available for promoting gender equity and the representation of non-traditional populations. Explain and recognize the importance of customer-oriented service, ethics, teamwork, respecting individual and cultural differences, and diversity in the workplace. Explain the importance of infrastructure within all trades. Define, explain and demonstrate financial literacy in the transportation and construction trades. Explain the importance of frequent testing. 	Career Ready Practice: 1, 2, 3, 4, 5, 7, 8, 9, 10, 11 CTE Anchor: Academics: 1.0 Communications: 2.1, 2.3, 2.5 Career Planning & Management: 3.1, 3.2, 3.3, 3.4, 3.5, 3.9 Technology: 4.1, 4.2, 4.5 Problem Solving & Critical Thinking: 5.1, 5.4 Responsibility & Flexibility: 7.2, 7.3, 7.6 Ethics & Legal Responsibility: 8.4 Leadership & Teamwork: 9.3, 9.6 Technical Knowledge & Skills: 10.1, 10.3 Demonstration and Application:

			11.1
			11.1
			CTE Pathway:
(4	hours)		A2.3, A2.6, A7.4
В.	SAFETY Understand safety	 Discuss the health and safety of all workers within the trades. Discuss classroom and workplace procedures 	Career Ready Practice: 1, 2, 4, 5, 9, 10, 12
	procedures and techniques.	for first aid, emergency procedures, and accidents/injury prevention. 3. Define and discuss the California Occupationa Safety and Health Administration (Cal/OSHA)	Academics:
		workplace requirements to maintain a safe and healthy working environment.4. Define, describe, and demonstrate the standards regarding proper use of personal protective equipment:	1.0 Communications 2.1, 2.3, 2.5 Technology:
		a. hard hat b. reflective safety vest c. long pant with suitable belt d. cut resistant gloves	4.2 Problem Solving & Critical Thinking: 5.1, 5.3, 5.4
		 e. N-95 mask f. eye protection g. hard sole work shoes 5. Define and discuss the use of Safety Data Sheets (SDS) to include handling, storage, and disposal of chemicals and hazardous 	Health & Safety: 6.1, 6.2, 6.3, 6.4, 6.9 6.6, 6.7, 6.8 Leadership & Teamwork:
		 materials and awareness. Report hazards found in the job when using tools and equipment. Work in teams to practice and demonstrate personal safety when lifting, bending, or 	9.7 Technical Knowledge & Skills: 10.1, 10.2
		moving equipment and supplies. 8. Explain how each of the following ensures a safe workplace: a. employees' rights as they apply to job safety	Demonstration & Application:
		b. employers' obligations as they apply to safetyc. safety laws applying to the transportation, building and trades industry sector.	CTE Pathway: A2.5, A3.3, A6.1, A6.3, A6.4, A6.6,
		9. Explain and sign the LAUSD Responsible Use Policy (RUP).10. Pass the Safety Test with 100% accuracy.	

(8 hours)
C. FIRST AID/CPR/AED Understand and learn life saving procedures and treatment of wounds and injuries.

18. Explain interventions for treatment including

19. Differentiate the symptoms of a heart attack, a

use of epinephrine (EpiPen).

stroke, and cardiac arrest.

- 20. Describe the emergency interventions and care for a heart attack and a stroke.
- 21. Describe signs and symptoms of hypoglycemia, aka low blood sugar.
- 22. Describe first aid intervention in a hypoglycemic event.
- 23. Describe a gran mal seizure and first aid intervention.
- 24. Demonstrate proper technique in basic wound care.
- 25. Demonstrate proper techniques in applying pressure to control bleeding.
- 26. Apply cravat triangular bandages.
- 27. Apply an arm sling.
- 28. Apply splints and/or buddy taping to extremities, upper arm, forearm, ankle, and knee.
- 29. Differentiate among positions for victims with shock, head wound, difficulty in breathing, unsplinted fractures, bleeding from mouth or vomiting.
- 30. Describe first aid treatment of a victim with a suspected head injury.
- 31. Describe fractures needing immobilization.
- 32. Identify the severity of burns by depth, size and location.
- 33. Describe first aid treatment for thermal and chemical burns.
- 34. Assess the need for moving an accident victim.
- 35. Distinguish between first aid treatment of conscious and unconscious poisoning victims following the National Poison Control Center guidelines.
- 36. Discuss the use of the Safety Data Sheet (SDS) as it applies to first aid information relating to accidental ingestion, skin contact, eye contact, and inhalation of agent.
- 37. Differentiate between signs of heat stroke and heat exhaustion.
- 38. Describe first aid treatment and interventions for heat stroke and heat exhaustion.
- 39. Describe first aid treatment of frostbite.
- 40. Pass the American Heart Association (AHA)

	First Aid CDD AFD and he contified with a	
(8 hours)	First Aid CPR AED and be certified with a Heartsaver First Aid CPR AED Card.	
D. TOOLS AND EQUIPMENT Understand, apply, and evaluate the safe use, maintenance, and storage techniques for tools and equipment.	Define, discuss, and demonstrate the proper use, maintenance, and storage techniques for the most common hand and power tools: a. measuring tape b. screw drivers c. hammer d. cats' paw nail puller e. utility knife f. speed chalk line g. wire strippers h. Carpenter's pencil i. brooms and dustpans j. extension cord k. cordless drill/driver	Career Ready Practice: 1, 2, 4, 5, 10 CTE Anchor: Academics: 1.0 Communications: 2.1, 2.3, 2.5 Technology: 4.2 Problem Solving &
	I. circular saw m. speed square n. pallet jack o. two-wheel truck Demonstrate and practice usage of	Critical Thinking: 5.1, 5.2 Health & Safety: 6.2, 6.3, 6.6 Technical
	measuring tape and explain the fractionalization of the inch. 3. Explain and demonstrate the following: a. selection of the appropriate hand, power tools, and equipment by job b. procedures for checking out hand, power tools, and equipment	Knowledge & Skills: 10.1 Demonstration & Application: 11.1
	 c. understand the operation of hand and power tools and point out the most common mistakes made when operating power tools. 	CTE Pathway: A3.7, A6.4
(6 hours)	 d. describe the role, its importance, and safe use of the most common hand, power tools and equipment in the shop e. practicing personal safety when lifting, bending, or moving equipment and supplies 	
	 Pass a tools and equipment assessment with an 80% score or higher. 	

E. BASIC FRAMING

Understand, apply, and delve into framing essentials.

- Introduce and research the framing industry including job descriptions, duties, pay, and related trades.
- 2. Discuss the brief history of wood framing and framing tools.
- 3. Provide a foundational understanding of the processes involved in welding.
- 4. Explain and define blueprint reading to understand the scope of the project.
- 5. Review blueprint demonstrating the walls and floor plan to include the material and hardware required.
- 6. Review and explain the tools specific to the framing phase of the project.
- 7. Discuss the importance of safely using tools, cleaning up spills, energizing equipment, act responsibly, and follow shop rules.
- 8. Demonstrate the use of tools and materials and work in teams to build a carpentry project.
- 9. Pass a basic framing assessment with an 80% score or higher.

Career Ready Practice:

1, 2, 4, 5, 9, 10, 11

CTE Anchor:

Academics:

1.0

Communications:

2.1, 2.3, 2.5

Technology:

4.1, 4.2, 4.5

Problem Solving &

Critical Thinking:

5.1, 5.2, 5.4

Health & Safety:

6.2, 6.3, 6.6, 6.12

Leadership &

Teamwork:

9.7

Technical

Knowledge & Skills:

10.1, 10.3, 10.5

Demonstration &

Application:

11.1

CTE Pathway:

D3.1, D3.2, D3.3, D3.4, D3.5, D3.6, D6.2, D6.4, D6.5,

D6.6, D6.7, D6.8

(16 hours)

F. ELECTRICAL **FUNDAMENTALS**

Understand, apply, and explore the basics of electricity.

- Introduce and research the electrical industry including job descriptions, duties, pay, and related trades.
- 2. Discuss the brief history of electrical usage and a change in the industry to include energy efficiency.
- 3. Explain and define blueprint reading to understand the scope of the project.

Career Ready Practice:

1, 2, 4, 5, 9, 10, 11

CTE Anchor:

Academics:

1.0

	 Review and explain the specific tools to the electrical phase of the project. Discuss the importance of safely using tools, cleaning up spills, energizing equipment, act responsibly, and follow shop rules. Demonstrate and work in teams on how to install a light switch by: stripping Romex cable running cable through wall studs installing electrical boxes wiring switch duplex, outlet and light fixture testing and troubleshooting for completion of circuit Pass an electrical fundamentals assessment with an 80% score or higher. 	Communications: 2.1, 2.3, 2.5 Technology: 4.1, 4.2, 4.5 Problem Solving & Critical Thinking: 5.1, 5.2, 5.4 Health & Safety: 6.2, 6.3, 6.6, 6.12 Leadership & Teamwork: 9.7 Technical Knowledge & Skills: 10.1, 10.3, 10.5 Demonstration & Application: 11.1 CTE Pathway: D3.1, D3.4, D9.2,
(16 hours)		D11.1, D11.2, D11.4, D11,9, D11.10, D11.11, D11.12
G. FORKLIFT FUNDAMENTALS Understand, apply, and evaluate the basic forklift operator to obtain a forklift operator card.	 Introduce and research the forklift industry including job descriptions, duties, pay, and related trades. Discuss the brief history of forklift usage and changes in industry. Recognize the various classes of forklifts and their primary applications. Explain the fundamental principles of forklift stability and load centers. Explain how to adjust the forks to accommodate different styles of pallets. 	Career Ready Practice: 1, 2, 4, 5, 9, 11 CTE Anchor: Academics: 1.0 Communications: 2.1, 2.3, 2.5 Technology:

pedestrian interaction with forklifts.

forklift operation.

6. Identify potential workplace hazards related to

7. Describe the essential elements of safe

Technology: 4.1, 4.2, 4.5 Problem Solving & Critical Thinking:

5.1, 5.2, 5.4

(8 hours)	8. 9. 10.	Understand the purpose of forklift warning labels, data plates, and safety signage. Discuss and explain the requirements to receive an OSHA Forklift certification. Pass a forklift fundamentals assessment with a 80% score.	Health & Safety: 6.2, 6.3 Technical Knowledge & Skills: 10.1, 10.2 CTE Pathway: A3.7, A5.3
H. TRUCK DRIVING FUNDAMENTALS Understand, apply, and evaluate the the commercial driver's license and commercial learner permit license requirements.	1. 2. 3. 4. 5. 6. 7. 8. 9.	Introduce and research the truck driving industry including job descriptions, duties, pay, and related trades. Discuss the brief history of truck driving usage and a change in the industry. Basic understanding of regulatory agencies specific to commercial vehicles, hours-of-service rules, and the importance of safety regulations. Introduction to the parts of a commercial truck, basic mechanics, and pre-trip inspection procedures. Concepts of defensive driving, space management, hazard awareness and the dangers of distracted driving. Understanding the basics of route planning, map reading. Introduction to different types of cargo, proper loading and unloading techniques, distribution of weight, and securing loads. Exposure to technologies used in modern trucks, such as GPS, electronic logging devices (ELDS), and telematics systems. Information on CDL requirements, different types of licenses and endorsements, and pathways to entering the truck driving profession after meeting age requirements. Demonstrate, work in teams, and incorporate truck driving simulators to provide a safe and controlled environment for practicing basic maneuvers and vehicle control.	Career Ready Practice: 1, 2, 4, 5, 9, 10, 11 CTE Anchor: Academics: 1.0 Communications: 2.1, 2.3, 2.5 Technology: 4.1, 4.2, 4.5 Problem Solving & Critical Thinking: 5.1, 5.2, 5.4 Health & Safety: 6.2, 6.6 Leadership & Teamwork: 9.7 Technical Knowledge & Skills: 10.1, 10.2 Demonstration & Application: 11.1

11. Pass a trucking fundamentals assessment

with an 80% score or higher.

CTE Pathway: C3.1, C3.2, C3.3, (16 hours) C3.5, C8.2 I. EMPLOYABILITY Define, understand, research, and work in **Career Ready SKILLS, RESUME & Practice:** teams to describe advantages, importance, **INTERVIEW** 1, 2, 3, 4, 5, 7,8, 9, 10, and employer requirements for soft skills such INTRODUCTION 11 as: a. attitude toward work Understand, apply, **CTE Anchor:** b. communication and collaboration and evaluate the Academics: c. critical thinking, problem solving, and employability skills, decision-making résumé, and Communications: d. flexibility and adaptability interview 2.1, 2.3, 2.4. 2.5 e. interpersonal skills introduction. Career Planning & punctuality and attendance f. Management: g. quality of work 3.1, 3.2, 3.3, 3.4, 3.6, h. teamwork 3.8, 3.9 time management Technology: trust and ethical behavior 4.1. 4.2, 4.5 2. Develop a career plan that reflects career Problem Solving & interests, pathways, and post-secondary Critical Thinking: options. 5.1, 5.4 3. Review samples of a resume, cover letter, Responsibility & and/or portfolio. Flexibility: 4. Understand the importance of assessing 7.7 social media account content for Ethics & Legal professionalism. Responsibilities: 5. Demonstrate, analyze, research, and review 8.3, 8.4, 8.5 the role of online job searching platforms, Leadership & complete the on-line job application, and Teamwork: career websites to make informed decisions. 9.7 6. Explain and develop interviewing questions to Technical get the job by working in teams doing a live Knowledge & video. Skills: 7. Review samples of follow-up letters. 10.1, 10.3 Demonstration & Application:

	8. Understand the importance of continuously upgrading job skills and networking as it	11.1, 11.2, 11.5
	relates to:	CTE Pathway:
	a. certification, licensure, and/or renewal	A2.6
	b. professional organizations/events	
(8 hours)	c. industry associations and/or	
	organized labor	

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