

DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 9-12 / Core — Interpersonal Skills

Course Code: CONSTRUCTION

COURSE INTRODUCTION: Core

These lessons are designed to give construction-trades students a firm skill and knowledge basis to build upon in later courses. Students will learn basic job and interpersonal skills applicable in all construction trades. Students will also be introduced to the four construction trades covered by this model curriculum: carpentry, masonry, electrical, and HVAC. Units in this course include:

1. Job Skills
2. Interpersonal Skills
3. Trade Introductions

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<p>UNIT DESCRIPTION: Interpersonal Skills These lessons are designed to give the construction student a solid basis in the so-called “soft skills” necessary for success in industry. Topics covered include effective communication, skills and aptitudes for ethical employ, and leadership skills for construction crews.</p>		<p>SUGGESTED UNIT TIMELINE: 3 lessons Lesson 1: Communication Lesson 2: Employability Lesson 3: Leadership CLASS PERIOD (min.): 90 minutes</p>				
<p>ESSENTIAL QUESTIONS:</p> <ol style="list-style-type: none"> 1. How are writing and speaking skills used within the construction trades? 2. Why are good communication skills important to the construction worker? 3. What skills are necessary to gain employment within the construction trades? 4. What are the attributes of a good employee? 5. How are construction crews effectively led? 						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	CCSS LEARNING GOALS (Anchor Standards/Clusters)	CROSSWALK TO STANDARDS				
		GLEs/CLEs	PS	CCSS	NCCER	DOK
<p>1. Students will demonstrate an understanding of the forms of communication, the importance of active listening, and overcoming barriers to communication.</p>				L 9-10.1 L 9-10.2 L 11-12.1 L 11-12.2 SL 9-10.1 SL 11-12.1 RI 11-12.1 RI 11-12.3 RI 11-12.7 RST 9-10.1 RST 11-12.1	00107-09	Level 1
<p>2. Students will explain how to apply principles of communication to specific construction-trade documents and situations (e.g., HazCom and SDSs, etc.).</p>				L 9-10.1 L 9-10.2 L 11-12.1 L 11-12.2 SL 9-10.1 SL 11-12.1	00107-09	Level 1

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				RI 11-12.1 RI 11-12.3 RI 11-12.7 RST 9-10.1 RST 11-12.1		
3. Students will describe the skills and attributes of good employees relevant to the construction industry.				L 9-10.1 L 9-10.6 L 11-12.1 L 11-12.6 SL 9-10.1 SL 9-10.6 SL 11-12.1 SL 11-12.6	00108-09	Level 1
4. Students will describe the skills and attributes of effective leaders within the construction industry.				L 9-10.1 L 9-10.6 L 11-12.1 L 11-12.6 SL 9-10.1 SL 9-10.6 SL 11-12.1 SL 11-12.6	26413-08 28307-05	Level 1
<p>ASSESSMENT DESCRIPTIONS*: (Write a brief overview here. Identify Formative/Summative. Actual assessments will be accessed by a link to PDF file or Word doc.)</p> <p>Students will demonstrate their understanding of content and ability to apply learned skills by:</p> <ul style="list-style-type: none"> • Completing worksheets (Formative) and quizzes (Summative) regarding communication in the construction industry • Listing skills and attributes of good employees and leaders (Formative) <p>*Attach Unit Summative Assessment, including Scoring Guides/Scoring Keys/Alignment Codes and DOK Levels for all items. Label each assessment according to the unit descriptions above (i.e., Grade Level/Course Title/Course Code, Unit #).</p>						
Obj. #	INSTRUCTIONAL STRATEGIES (research-based): (Teacher Methods)					
1, 2	Direct: Instructor-led discussions					
3, 4	Direct: Instructor invites a guest lecturer to talk to students.					
1, 2, 3, 4	Interactive: Instructor guides students to work in teams.					

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Obj. #	INSTRUCTIONAL ACTIVITIES: (What Students Do)
1, 2	Discussion, completing worksheets and quizzes
3, 4	Brainstorming, Discussion
<p>UNIT RESOURCES: (include Internet addresses for linking)</p> <p>Support documents:</p> <ul style="list-style-type: none"> • [LESSON PLAN] • [COMMUNICATION OUTLINE] • [FLOOR INSTALLATION PROCESS] • [COMMUNICATION WORKSHEET] • [COMMUNICATION WORKSHEET KEY] • [COMMUNICATION QUIZ] • [COMMUNICATION QUIZ KEY] • [SKILLS SHEET CHECKLIST] <p>Internet resources:</p> <ul style="list-style-type: none"> • https://www.youtube.com/watch?v=LMmibTw2--Fo&list=PLA969988FEFB92727&index=1 • http://www.wikihow.com/Calculate-Amount-of-Paint-to-Paint-a-Room • http://www.wikihow.com/Build-a-Coffee-Table • http://www.osha.gov/Publications/OSHA3636.pdf • http://www.osha.gov/Publications/OSHA3514.pdf • http://www.dow.com/webapps/msds/ShowPDF.aspx?id=090003e8803b258c • www.agc.org • www.acicp.org • http://www.linkedin.com/groups/National-Association-Construction-Professionals-1856565 <p>Resources available from MCCE free loan library (www.mcce.org):</p> <ul style="list-style-type: none"> • Basic Career Communication Skills: Construction The School Company, VANCOUVER, WA, THE SCHOOL COMPANY, 2005. DVD ROM — This program begins with an orientation to construction with an emphasis on why communication skills are important to that career. 15 to 20 minutes. 	