

**DESE Model Curriculum: Network Administration (CIP Code: 11.0103)**

GRADE LEVEL/UNIT TITLE: 11-12/Safety

<b>COURSE INTRODUCTION</b>					
<p>A knowledge and understanding of networking concepts prepare students for the career area of network administration. As technology advances, the demand will continue to increase for employees who are able to resolve computer network problems.</p> <p>Students apply problem-solving skills to business situations exploring computer maintenance activities. Students will analyze software problems, install software applications programs and customize defaults, connect components of a local area network, use basic network protocol, and troubleshoot network problems.</p>					
<b>UNIT DESCRIPTION</b>				<b>SUGGESTED UNIT TIMELINE</b>	
Students will learn about safety procedures and equipment in networking.				2 weeks	
				<b>CLASS PERIOD (min.)</b>	
				50	
<b>ESSENTIAL QUESTIONS</b>					
<ol style="list-style-type: none"> <li>Why pay attention to ergonomics?</li> <li>How do I ground myself?</li> <li>What could be an issue with not using proper safety procedures/equipment?</li> </ol>					
<b>ESSENTIAL MEASURABLE LEARNING OBJECTIVES</b>	<b>NBEA STANDARD</b>				<b>DOK</b>
1. List features of an ergonomically correct workstation	IT-I.1	IT-XIV.1	COMM-I-A.4	COMM-I-D.4	1
	IT-I.2	IT-XIV-.2	COMM-I-B.1	COMM-IV.1	
	IT-I.3	IT-XVI.1	COMM-I-B.2	COMM-IV.2	
	IT-I.4	IT-XVI.2	COMM-I-B.3	COMP-I.1	
	IT-II.1	MGMT-VIII-A.1	COMM-I-C.1	COMP-II.1	
	IT-IV.1	MGMT-VIII-A.2	COMM-I-C.2	COMP-II.2	
	IT-V.1	MGMT-VIII-A.3	COMM-I-C.3	COMP-III.1	
	IT-V.2	MGMT-VIII-A.4	COMM-I-C.4	COMP-III.2	
	IT-VIII.1	COMM-I-A.1	COMM-I-D.1	COMP-IV.1	
	IT-VIII.2	COMM-I-A.2	COMM-I-D.2	COMP-IV.2	
IT-VIII.3	COMM-I-A.3	COMM-I-D.3	COMP-V.2		
2. Demonstrate using antistatic tools to prevent static discharge	IT-I.1	IT-VIII.2	COMM-I-A.3	COMM-I-C.4	2
	IT-I.2	IT-VIII.3	COMM-I-A.4	COMM-I-D.1	
	IT-I.3	IT-XIV.1	COMM-I-B.1	COMM-I-D.2	
	IT-I.4	IT-XIV-.2	COMM-I-B.2	COMM-I-D.3	
	IT-II.1	IT-XVI.1	COMM-I-B.3	COMM-I-D.4	
	IT-V.1	IT-XVI.2	COMM-I-C.1	COMM-IV.1	
	IT-V.2	COMM-I-A.1	COMM-I-C.2	COMM-IV.2	

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	IT-VIII.1	COMM-I-A.2	COMM-I-C.3		
3. Describe the operation of fire suppression resources including fire extinguishers	IT-II.1 IT-V.1 IT-V.2 IT-VIII.1 IT-VIII.2 IT-VIII.3 IT-XIV.1	IT-XIV-.2 IT-XVI.1 IT-XVI.2 COMM-I-A.1 COMM-I-A.2 COMM-I-A.3 COMM-I-A.4	COMM-I-B.1 COMM-I-B.2 COMM-I-B.3 COMM-I-C.1 COMM-I-C.2 COMM-I-C.3 COMM-I-C.4	COMM-I-D.1 COMM-I-D.2 COMM-I-D.3 COMM-I-D.4 COMM-IV.1 COMM-IV.2	2
4. Identify electrical, mechanical, chemical, and environmental hazards	IT-V.1 IT-V.2 IT-VIII.1 IT-VIII.2 IT-VIII.3 IT-XIV.1 IT-XIV-.2	IT-XVI.1 IT-XVI.2 COMM-I-A.1 COMM-I-A.2 COMM-I-A.3 COMM-I-A.4 COMM-I-B.1	COMM-I-B.2 COMM-I-B.3 COMM-I-C.1 COMM-I-C.2 COMM-I-C.3 COMM-I-C.4 COMM-I-D.1	COMM-I-D.2 COMM-I-D.3 COMM-I-D.4 COMM-IV.1 COMM-IV.2	1
5. Practice workplace safety (e.g., first aid, eye protection, anti-static procedures)	IT-II.1 IT-V.1 IT-V.2 IT-VIII.1 IT-VIII.2 IT-VIII.3	IT-XIV.1 IT-XIV-.2 IT-XVI.1 IT-XVI.2 CARDEV-III-A.1 CARDEV-III-A.2	CARDEV-III-D.1 CARDEV-III-D.2 CARDEV-III-D.3 CARDEV-III-E.1 CARDEV-III-E.2 CARDEV-III-E.3	CARDEV-V-A.1 CARDEV-V-A.2 CARDEV-V-A.3 CARDEV-V-A.4	2
6. Demonstrate proper use of hand and power tools	IT-II.1 IT-V.1 IT-V.2 IT-VIII.1 IT-VIII.2 IT-VIII.3 IT-XIV.1	IT-XIV-.2 IT-XVI.1 IT-XVI.2 COMM-I-A.1 COMM-I-A.2 COMM-I-A.3 COMM-I-A.4	COMM-I-B.1 COMM-I-B.2 COMM-I-B.3 COMM-I-C.1 COMM-I-C.2 COMM-I-C.3 COMM-I-C.4	COMM-I-D.1 COMM-I-D.2 COMM-I-D.3 COMM-I-D.4 COMM-IV.1 COMM-IV.2	2
7. Demonstrate proper use of electrically operated equipment including grounding	IT-II.1 IT-V.1 IT-V.2 IT-XIV.1 IT-XIV-.2 IT-XVI.1	IT-XVI.2 COMM-I-A.1 COMM-I-A.2 COMM-I-A.3 COMM-I-A.4 COMM-I-B.1	COMM-I-B.2 COMM-I-B.3 COMM-I-C.1 COMM-I-C.2 COMM-I-C.3 COMM-I-C.4	COMM-I-D.1 COMM-I-D.2 COMM-I-D.3 COMM-I-D.4 COMM-IV.1 COMM-IV.2	2

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8.	Demonstrate proper lifting and carrying techniques	IT-V.1 IT-V.2	IT-VIII.1 IT-VIII.2	IT-VIII.3 IT-XIV.1	IT-XIV-.2	2
<b>OBJ. #</b>	<b>INSTRUCTIONAL STRATEGIES</b>					
1-8	1. Teacher lectures and demonstrates proper safety procedures.					
1-8	2. Teacher guides students practice for safety procedures.					
<b>OBJ. #</b>	<b>INSTRUCTIONAL ACTIVITIES</b>					
1-8	1. Students take notes on proper safety procedures.					
1-8	2. Students practice proper safety procedures.					