



## **Network Administration I**

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## General Course Information

<b>Course Name: Network Administration I</b>	
Department: Business	Grade Level(s) 9-12
Duration/Credits: 1 semester / .5 credit	Prerequisites: Application and Department Approval.
BOE Approval Date:	Course Code H5341
<b>Course Description:</b>	
<p>Students in the Tiger Tech or Panther Tech Help Desk will support the Mehlville School District's 1:1 initiative. Students will apply problem-solving skills and explore computer maintenance through diagnosing hardware and software problems, installation of updates, and the repairing of damaged devices. Additionally, students will pursue an independent learning pathway in which they may earn certifications and/or credentialing within the field of Information Technology.</p>	
<b>Course Rationale:</b>	
<p>This course is an educational, experiential based option for the student who has expressed or demonstrated an interest in the field of information technology and computer science. Students apply problem-solving skills to business situations exploring computer maintenance activities. Students may 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>Course Objectives:</b>	
<ul style="list-style-type: none"><li>• The student will read about and analyze factors relating to online citizenship and safe practices and apply safety protocols when working with equipment (A+ Reading).</li><li>• The student will successfully assemble and disassemble a personal computer and maintain a journal of field notes on the process (A+ Writing).</li><li>• The student will load and update current operating systems, operate standard applications, and install and update hardware and associated drivers.</li><li>• The student will research and perform preventative maintenance and troubleshooting procedures for various system components (A+ Research).</li><li>• The student will maintain a safe and clean working environment.</li><li>• The student will work collaboratively with the IT department to discuss and solve computer problems. (A+ Speaking and Listening)</li><li>• The student will use industry-standard processes, hardware, and software to meet the goals of the course.</li></ul>	
<b>Standards Alignment:</b>	
<a href="#"><b>DESE Network Administration Objectives</b></a> <a href="#"><b>DESE Computer Science Standards</b></a>	

## Power Standards

List Standards -

<b>Unit I:</b> unit name	<b>Duration:</b>
<b>Unit Description:</b>	
<b>Unit Standards</b>	<b>Key Learning Targets</b>
Insert unit standards	I can . . .  Insert learning targets
<b>Essential Questions</b>	<b>Enduring Understandings</b>
Students will consider: Insert essential questions	Students will understand that:  Insert enduring understandings
<b>Resources:</b>	
<b>Previous knowledge and skills needed:</b>	
<b>Key Unit Vocabulary:</b>	
<b>Additional Information:</b>	

<b>Unit II:</b>	<b>Duration:</b>
<b>Unit Description:</b>	
<b>Unit Standards</b>	<b>Key Learning Targets</b>
Insert unit standards	Insert learning targets
<b>Essential Questions</b>	<b>Enduring Understandings</b>
Insert essential questions	Insert enduring understandings
<b>Resources:</b>	
<b>Previous knowledge and skills needed:</b>	
<b>Key Unit Vocabulary:</b>	
<b>Additional Information:</b>	

<b>Unit III:</b>	<b>Duration:</b>
<b>Unit Description:</b>	
<b>Unit Standards</b>	<b>Key Learning Targets</b>
Insert unit standards	Insert learning targets
<b>Essential Questions</b>	<b>Enduring Understandings</b>
Insert essential questions	Insert enduring understandings
<b>Resources:</b>	
<b>Previous knowledge and skills needed:</b>	
<b>Key Unit Vocabulary:</b>	
<b>Additional Information:</b>	

<b>Unit IV:</b>	<b>Duration:</b>
<b>Unit Description:</b>	
<b>Unit Standards</b>	<b>Key Learning Targets</b>
Insert unit standards	Insert learning targets
<b>Essential Questions</b>	<b>Enduring Understandings</b>
Insert essential questions	Insert enduring understandings
<b>Resources:</b>	
<b>Previous knowledge and skills needed:</b>	
<b>Key Unit Vocabulary:</b>	
<b>Additional Information:</b>	

<b>Unit V:</b>	<b>Duration:</b>
<b>Unit Description:</b>	
<b>Unit Standards</b>	<b>Key Learning Targets</b>
Insert unit standards	Insert learning targets
<b>Essential Questions</b>	<b>Enduring Understandings</b>
Insert essential questions	Insert enduring understandings
<b>Resources:</b>	
<b>Previous knowledge and skills needed:</b>	
<b>Key Unit Vocabulary:</b>	
<b>Additional Information:</b>	



<b>Unit VI:</b>	<b>Duration:</b>
<b>Unit Description:</b>	
<b>Unit Standards</b>	<b>Key Learning Targets</b>
Insert unit standards	Insert learning targets
<b>Essential Questions</b>	<b>Enduring Understandings</b>
Insert essential questions	Insert enduring understandings
<b>Resources:</b>	
<b>Previous knowledge and skills needed:</b>	
<b>Key Unit Vocabulary:</b>	
<b>Additional Information:</b>	

<b>Unit VII:</b>			<b>Duration:</b>
<b>Unit Description:</b>			
<b>Unit Standards</b>			<b>Key Learning Targets</b>
Insert unit standards			Insert learning targets
<b>Essential Questions</b>			<b>Enduring Understandings</b>
Insert essential questions			Insert enduring understandings
<b>Resources:</b>			
<b>Previous knowledge and skills needed:</b>			
<b>Key Unit Vocabulary:</b>			
<b>Additional Information:</b>			

<b>Unit VIII:</b>			<b>Duration:</b>
<b>Unit Description:</b>			
<b>Unit Standards</b>			<b>Key Learning Targets</b>
Insert unit standards			Insert learning targets
<b>Essential Questions</b>			<b>Enduring Understandings</b>
Insert essential questions			Insert enduring understandings
<b>Resources:</b>			
<b>Previous knowledge and skills needed:</b>			
<b>Key Unit Vocabulary:</b>			
<b>Additional Information:</b>			