Big Ideas/Key Concepts: Safety, Internetworking basics, protocols

<table>
<thead>
<tr>
<th>Standards</th>
<th>Student Friendly “I Can” Statements</th>
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| Standard 1.0 – Students will perform safety examinations and maintain safety records | I can:  
  - Implement the industrial safety standards established by the Environmental Protection Agency (EPA) and Occupational Safety and Health Administration (OSHA).  
  - Identify and categorize safety hazards and prevention in the information technology industry.  
  - Exhibit acceptable dress and personal grooming determined by the information technology industry.  
| Standard 5.0 – Students will analyze, design and implement Internet Protocol addressing scheme to support classful, classless and private addressing needs |  
  - Explain Internet Protocol address classes.  
  - Evaluate subnet classes, classless subnetting, and classless interdomain routing (CIDR).  
  - Examine requirements and develop a physical network list of components.  
| Standard 10.0 – Students will create a formal network infrastructure proposal. |  
  - Examine requirements and create IP addressing scheme.  
  - Examine requirements and develop a Virtual LAN profile.  
  - Examine requirements and create an access control list.  
  - Examine requirements and determine a suitable wide area network connection. |