

Lesson Plan for Networking Fundamentals -IT AND ME WORKS--GRADE 10 CURRICULUM

Topic: Assessment

Time: Up to 6 hours

Objectives:

1. Students will apply and practice safety concepts learned.
2. Students will apply concepts used for software and hardware set up and configuration.
3. Students will properly set up and configure a peer-to-peer network.

Activities:

Students will demonstrate knowledge of previously taught concepts, which include the following:

- Install an operating system
- Opening a PC and identifying internal components
- Insert and configuring a NIC
- Plan (draw) a network and properly label the system type
- Identify different hardware components used in networking
- Making patch cables
- Set up a peer-to-peer network

This assessment will be partially (half) written to demonstrate knowledge of concepts and theory and also a practical portion. The practical portion will have the student demonstrate knowledge of all the “hands on” activities of this section.

Materials:

1. Lab set-up with one computer per lab group (two students per group).
2. Operating systems to install on lab computers (copies or license for all lab computers – this may have been done previous to this or may need to be done again).
3. NIC cards to outfit lab computers.
4. Tools as needed to outfit class (screw drivers, nut drivers, etc.).
5. Patch cables (pre-made in previous activities).
6. Cable testers.

School to Career Connection:

Discuss the importance of the knowledge of process as it relates to the lab and the workplace.