



Lesson Plan

Course Title: Computer Maintenance

Session Title: Introduction to PCs: How Computers Work

Lesson Duration: Will vary from instructor to instructor

Performance Objective:

Upon completion of this assignment, students will be able to discuss the components and processes that make personal computers (PCs) work.

Specific Objectives:

- Identify the boot process, including initializing and testing the system, and loading the OS and the boot sequence required to operate the computer.
- Discuss the boot process, including initializing and testing the system, and loading the OS and the boot sequence required to operate the computer.
- Identify the hardware components that make up the computer.
- Discuss the hardware components that make up the computer.
- Identify system resources in the context of computer configuration.
- Discuss system resources in the context of computer configuration.
- Complete the identified lab exercises associated with lesson.

Preparation

TEKS Correlations:

§130.273. Computer Maintenance

(1) The student demonstrates the necessary skills for career development, employability, and successful completion of course outcomes. The student is expected to:

- (C) employ effective reading and writing skills;
- (D) employ effective verbal and nonverbal communication skills;
- (E) solve problems and think critically;

(4) The student acquires an understanding of computer technologies. The student is expected to:

- (G) describe the architecture of various computer systems;
- (H) describe the function of computer components such as central processing units, storage devices, and peripheral devices;

(5) The student knows the proper function and application of the tools, equipment, and materials used in computer technologies. The student is expected to:

- (A) demonstrate safe use of equipment in computer technologies such as hand and power tools;
- (B) employ available reference documentation such as tools, materials, and Internet sources