

Mr. Weikert Period _____ Name _____

Course Outline

Getting Started

Computer Repair

Course Overview

The goal of the computer repair class is to help prepare students to successfully pass the Computer Technician Industry Association A+ exams and the TestOut PC Pro Certification exam in order to become certified computer technicians. Students will be trained in understanding computer hardware and operating system software, as well as the settings and operation of mobile device platforms.

State Standards

The state standards taught in this course are:

3.7.12.C Evaluate computer operations and concepts as to their effectiveness to solve specific problems.

Course Objectives

Upon completion of the course you will:

- Be able to identify motherboard form factors
- Be able to identify all types of ports used with the PC
- Know how to find and install device drivers when the original drivers cannot be found.
- Have an understanding of important utilities
- Be able to create a boot disk
- Understand how to access and modify BIOS settings
- Be able to troubleshoot and diagnose a damaged PC
- Be able to build a PC from scratch
- Know how to add new technologies to an existing PC
- Know where to find the best prices when buying PC components
- Be able to do research on parts and software programs

Unit Schedule

- Computing Overview
- PC Technician
- System Components
- Peripheral Devices
- Storage
- Printing
- Mobile Devices
- System Management
- System Implementation
- File Management
- Security
- Networking

Methods of Evaluation

- Worksheets
- Exercises
- Quizzes
- Tests
- Labs
- Simulations

Study, Study, Study

The opportunity to become a nationally certified computer technician at the high school level is a great one. Historically, companies like Dell won't even hire someone as a phone representative unless they have passed the A+ exams: it's that important! The TestOut PC Pro certification exam is provided to you free of charge after successful completion of this course. Students who pass the exam will become certified PC Pro technicians and will be issued a certificate indicating this credential.

You will be given the resources and the tools necessary to pass the exams, but this doesn't mean it will be a walk in the park. It is essential that you thoroughly and carefully study all assigned homework. By staying committed to completing your assignments and studying, you'll be setting yourself up for success.

The other component is studying. There is a lot to know about computer support and repair. You will need to study information daily in order to be successful in this class.

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Online Resources

Access the class website via www.davepc.me/repair. Resources like flash cards can be accessed via the class website.

LabSim instructional software will be used extensively during the course. You will be accessing it on a daily basis.

Classroom Policies and Expectations

1. You are responsible for meeting all given deadlines and completing all assignments. Passing all exams is an absolute must. If you receive a failing grade on an exam, it must be retaken on a day that you schedule with Mr. Weikert. Failure is not an option in this course. Class attendance is essential. Most labs take longer than one class period to complete, and certain labs can only be completed during class. If you are absent for a lab, it is your responsibility to copy any lab notes from your lab partner or another student in the class.
2. If there is a problem with your regular classroom computer, let me know **IMMEDIATELY**. If someone has damaged or changed the operation of your computer, protect yourself by notifying me of the problem as soon as you discover it. **DO NOT** attempt to adjust or repair anything on your computer, unplug any cords, or shut down the computer improperly.
3. Be respectful of others at all times. Everyone deserves an equal opportunity to learn. There should be no talking during the time designated for working on individual assignments. It is especially important to not talk during lab instruction. Even if you have a simple question, don't bother your neighbor. Please raise your hand and I will assist you.
4. Be ready to begin class when the late bell rings. You will need a three ring notebook to hold and organize the many instructional handouts and worksheets that you will receive. Have your notebook and pencil or pen on your desk at the beginning of each class meeting.
5. Use appropriate language at all times.
6. Food and drinks (including water) are not allowed near the lab computers.
7. The only programs/applications that may be used on the computers are those that are studied in the course. Use of the Internet during class should not occur unless instructed to do so. Disks of any kind (including flash drives and external hard disks) may not be inserted/connected to the computers. No personal devices should be connected to the computers at anytime. Use of other types of electronics is not allowed. Violation of these district policies may result in disciplinary action.
8. Academic dishonesty in any form, whether cheating or plagiarism, is unacceptable. A first offense will constitute an immediate discipline referral and second offense may constitute a loss of credit for the course (as defined in the Student Discipline Code).

Absences

If you are absent from class it is your responsibility to copy to make arrangements to for materials you need or evaluations you have missed. You will have two days to complete work that was due during the absence including quizzes and tests, unless you make individual arrangements to complete the work at another time. Missed labs can only be completed after regular school hours.

My LabSim Username and Password is: _____

The www.davepc.me password is: _____
