

Riverside High School

CAREER & TECHNICAL EDUCATION DEPARTMENT



Computer Hardware

Curriculum Objectives:

This course will introduce students to computer hardware for the first half of the year. They will have to identify parts, assemble, and problem solve various scenarios. The second half of the year the focus will be on operating systems specifically various versions of Windows from XP to Windows 10 and networking. They will have to identify and use BIOS, make hardware and software adjustments, and finally get an operating computer assembled and working, in addition to solving many software / hardware issues.

Course Outline:

Marking Period	Major Topics / Units	Student Learning Targets
1	1.0: Computing Overview 2.0: PC Technician 3.0: System Components	Students will have basic idea of PC components and characteristics of a PC technician.
2	3.0: System Components 4.0: Peripheral Devices 5.0: Storage 6.0: Networking	Students will have more knowledgeable idea of PC components. Students will learn basic concepts of storage.
3	5.0: Storage 6.0: Networking	Students will learn basic concepts of Networking in addition to more advanced storage options
4	6.0: Networking 7.0: Printing 8.0: Mobile Devices 9.0: System Management* 10.0: System Implementation* 11.0: File Management* 12.0: Security*	Students will continue learning concepts of networking. In addition will learn how to integrate networking with printing and mobile devices.

Grading: Full year grade is a cumulative of all marking periods and exams:

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Full Year Grade	1 st Marking Period	2 nd Marking Period	3 rd Marking Period	4 th Marking Period	Final Exam
100%	22.5%	22.5%	22.5%	22.5%	10%

Each marking period grade is calculated as given below: Please be advised teacher can change percentage at his/her discretion.

Percent Weightage	Category
35%	Classroom Participation/Behavior/ Punctuality
45%	Quizzes/Tests/Projects
20%	Paper (reading assignments)/Presentations

Required Materials:

- Notebook and Folder or Binder and loose leaf
- Pens/Pencils
- Internet Access for Schoology and Microsoft Teams

Grades will be based on the following grading scale: A (100-97%), A- (96-93%), B (92-89%), B- (88-85%), C (84-79%), C- (78-73%), D (72-65%), F (64% and below)

Requirements:

A. Homework and Projects will be assigned based on classroom presentations/Discussions, as well as other source materials.

B. Quizzes/Tests will be based on topics covered in class, as well as any handouts and outside reading assigned. You must login to your Schoology or TEAMS account to access them. Do not share your password or account with anyone. Once the work is submitted, that will be your grade.

C. Papers will be typed with certain requirements such as: at least 5 paragraphs, 3 pages minimum, with the following being mandatory: include a bibliography page; double spaced; font-Arial at 12pt; your name; your period and date.

Lateness Policy: As it applies to assignments: they must be completed or turned in at a certain date, every additional day late will be a 10% deduction per day late. Absences do not impact the assignment due date policy as most assignments can be completed and turned in remotely, so special circumstances that hinder your attendance at school will require additional documentation (note from doctor or parent). Regarding attendance: Every three days late will lead to a 10% deduction to your quarterly grade; more than three absences per quarter, you are most likely to fail for the quarter.

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Classroom Rules:

1. Be on time.
2. Be respectful.
3. Be prepared.
4. Use computers, material and all equipment properly.
5. Be enthusiastic and creative!
6. You break it, you pay for it.
7. By attending this class, you automatically agree to these terms.
8. For privacy and confidentiality of students, photography, audio, and visual recording is prohibited in the classroom by students.

NOT PERMITTED:

1. Food, drinks, candy/gum.
2. Personal electronics CELL PHONES are put on vibrate and in assigned pocket holder.
3. Teacher has option of giving a zero for the quarter or zero for class participation grade for misuse of Internet access.
4. Logging onto social websites like Facebook, YouTube, Snapchat, Instagram etc.

Expectations: Students by the end of this course should have the knowledge and ability to assemble, disassemble, fix and problem solve hardware and software compatibility issues.

You are required to have a Schoology Account, a Clever account and Microsoft Teams. It is your responsibility to check those accounts for latest assignments, tests, grades, etc.

Extra Help Days:

Mr. Paulose

Extra Help Days: Thursdays in Room 225

Parent-Teacher Communication:

School Number: (914) 376-8425

Email: jpaulose@yonkerspublicschools.org

Student Contract:

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As a **Student**, I will demonstrate that I am a trustworthy and responsible individual by being independent learner who is active participant in my own learning by doing the following:

- ✓ Attending school regularly.
- ✓ Demonstrating by my actions and words respect for teachers/adults and peers.
- ✓ Reading, accepting and following classroom and school rules.
- ✓ Respecting all school property and taking care with technology/materials that I am privileged to use.
- ✓ Strive to do my best by participating in classroom activities, asking questions and seeking help if needed.

Signature: _____ Date __/__/_____