Computer Networking I (PC Tech) Syllabus
Spring Semester 2020 (January 21, 2020 – June 5, 2020)
May 19th is last day for seniors.

Instructor: Ms. Melissa Shaffer	**Contact:** mlshaffer@clarkston.k12.mi.us
Teacher Website: www.mlshaffer.weebly.com	**Room**: CHS 319 **Phone**: Ext. 3154

CHS Login
    Username: First initial, middle initial, first 8 characters of last name followed by 2 digit graduation year
                     Example: John Michael Whittington who graduates in 2020 would login as: jmwhitting20

    Password: fmlstudentID# Exp. jmw2023985

TestOut Login
    Username: First initial, middle initial, last name. Example: Ryan W. Davis = rwdavis

    Password: chslabsim   *You can change this password after initial login.*

Course Dates: Spring Semester 2020: January 21, 2020 – June 5, 2020
                May 19th is last day for seniors. Be mindful of that as you follow the pacing calendar.

Course Description:
The Computer Hardware & Repair course will prepare students for certification as a Computer Technician. Students will leave the course with the knowledge and virtual practiced skills to build and trouble-shoot a Windows configured PC. Finally all students will complete required safety training related to the field of computer repair and working in an office environment.

Course Connections:
The course prepares students to complete the Computer systems networking pathway and specifically the Computer Networking course. Students will enjoy greater success if they have taken and satisfactorily completed Algebra.

Academic Credit	**Post Secondary Credit**	**Certifications**	**Leadership Opportunities**
Elective (1/2 credit) Science (1 credit)	Baker College: 4 credits Davenport: 6 credits	TestOut PC Technician *Potential for other TestOut certifications if desired*	BPA NTHS

Attendance Policy
Due to the nature of this course, liberated attendance is available. In order to qualify for this option, students must have earned an 80% or higher on all module/quiz assignments due and be current with the pacing guide. Students who qualify must check in at the start of 6th hour each day in order to be marked present. Regardless of standing in class, students are expected to report to class each Monday unless otherwise communicated.

Text(s)	**Software**	**Delivery system**	**Computing equipment**
CompTIA A+ Certification All in One Exam Guide (8th Edition) Myers, Michael, © 2013 ISBN 978-0-07-179509-X	www.testout.com	Online delivery system; self-paced course.	Intel quad core processor Windows 7 OS 4 GB Ram

Course Outline: The following Segments are the cornerstone of the curriculum delivered in this course. They will be annotated by segment number next to the timeline of course subjects and events covered through this two semester course.

Segment 1:	PC Hardware
Segment 2:	Troubleshooting, Repair, & Maintenance
Segment 3:	Operating System & Software
Segment 4:	Safety
Segment 5:	Security
Segment 6:	Operational Procedure
Segment 7:	Network Technologies
Segment 8:	Network Hardware & Tools
Segment 9:	Personal Skills & Customer Service
Segment 10:	Network Management
Segment 11:	Teamwork & Leadership
Segment 12:	Network Analysis & Design

Timeline of delivery (Semester)

Time frame	Concept(s) covered	Segment linkage
Week 1	Computing Overview	(**1,3,4**)
Week 2	PC Technician	(**1,2,3,4**,6,**9**,11)
Week 3	System Components	(**1,4**)
Week 4 & 5	Peripheral Devices	(**1,2,3,4**,6)
Week 6 & 7	Storage	(**1,2,3,4**,6)
Week 8 & 9	Networking	(**1**,6,10)
Week 10	Printing	(**1**,6,10)
Week 11	Mobile Devices	(**1**,6,10)
Week 12	File Management	(**1**,5,6,10)
Week 13	Security	(**1**,5,6,10)
Week 14	Trouble Shooting	(**2**,6)
Week 15	Safety	(**4**)
Week 16 -18	Capstone Project and Certification	(**1,2,3,4**,6,**9**)

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Grading Policy

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No grade is final until the end of the grading period. Students are encouraged to continuously improve project based work; as well as, quizzes and testing results throughout the course.