Coding I Syllabus

Prerequisites: Algebra 1 (recommended)

Textbooks: None

Course Content:
1. Learn what IT jobs are is and how they fit in the real world.
2. Learn about the different aspects of programming/coding.
3. Learn how to plan and write code for computer applications.
4. Learn how to investigate and correct bugs in your code
5. Learn about ethical & security issues and software life cycle considerations.
6. Learn about the professional skills needed to be successful after graduation.
7. Learn how things are done in a work environment.

Grading Criteria:
The Hamilton County grading method for all classes is as follows:
Year Breakdown:
Semester 1 average – 42.5% of total year grade
Semester 2 average – 42.5% of total year grade
Exam average – 15% of total grade

Exams:
15% of your grade will be your final exam. Your exam may be written, coding assignments, a project or some combination of all and will only be taken at the times announced by the administration.

Assignment Breakdown:
Teacher Tasks – 50% of total grade
Assessments – 50% of total grade

Teacher Tasks Average:
25% of your Quarter grade will be daily assignments.
   <u>Daily worksheets</u> – These may cover any number of topics from graduation requirements to coding techniques and information.

25% of your Quarter grade will be programs.
   <u>Programs</u> – Most of your programs and associated assignments will be assigned in the form of Units. You will be expected to complete a specified number of programs per unit. You will create a compressed (zip) folder for each code assignment and submit it to Google Classroom.

   ➢ There is rarely any homework for this course. You will be provided a link and code to download Visual Studio so work can be completed at home.
   ➢ This is a **Skill-based Class** – It is important for students to be present and prepared to work. Students are responsible for all work missed while absent. It is the **student's responsibility** to discuss the makeup assignments and time for make-up work with the instructor. Under normal circumstances, the makeup work is due by the make-up day for

the unit. If more than one day is missed in a Unit or a test is missed, it is the student's responsibility to make arrangements to make up the work.

➢ Due dates for assignments will be posted; on the board, in Google Classroom and verbally. Work will not be accepted after two weeks passed the deadline.

➢ I will log your grades in Power School as quickly as possible. Please check there for any missing work. If there is a zero, I do not have your work. **Only your guidance counselor can give you your code to Power School.**

****Warning:**
Any identical work or other identifiable cheating will result in a zero on the assignment and for the work skills weekly grade for all involved.

Tests:
10% - Quizzes on terminology and procedures.

40% of your Quarter grade will be tests. Tests will be either in the form of a coding problem, or a test with questions and answers. All tests are open book, open note.

Late Assignment Policy:
- Any work not turned in by the due date will be marked down by 10 pts when submitted.
- No work will be accepted after the quarter ends.

File Storage:
All assignment related files will need to be saved and up loaded to Google Drive for many reasons.
1. The classroom computers have Deep Freeze on them so that any files will be wiped clean when the computers are restarted which happens several times a week.
2. Many assignments will be worked on over multiple classroom periods. It is important that every student is ready to work on assignments. If work is not saved properly it will hamper the students work and grade.
3. Students will frequently submit assignments that are missing files and therefore cannot be graded. If the files are not properly saved, the student cannot resubmit the assignment.
4. All work not properly stored can be redone but help will be restricted because the class will continue forward.
5. It is the **student's responsibility** to make sure files are saved properly and submitted electronically when requested. Lost files will require the student to redo the lost work. We will store our work in your personal G Drive or on a USB drive. If you share these with other students, it will be considered cheating.

The following procedures will be observed in the classroom:
1. No uncovered food allowed in the lab. Any of these things brought to class will be taken away and thrown in the trash.

2. Pick up after yourself. Otherwise there will be **NO** drinks in the classroom.

3. The cell phone policy is if they interfere in the classroom I will take them for the class period. If they become a persistent problem, they will be sent to the office and you will not get it back for 10 days.

4. You will conduct yourself in a manner that insures a safe environment for yourselves and others at all times. No running or horseplay is allowed.

5. You will not be allowed out of class except in case of emergency.

6. Leave personal differences at the door. This class will require teamwork at times and personal problems will interfere in this.

7. Loud talking, noise or foul language is not permitted.

8. Do not remove textbooks from the room. Do not write in or mar textbooks in anyway.

9. The computers in the room are for classwork only. No videos, Netflix or shopping is permitted.

10. The computers in the room are for classwork only and approved activities.