**Coding I/II Course Handout**

2019-20 Hours: B

Teacher: Mr. Bickel Classroom Computer/Mac Lab

Email: dbickel@lhskc.com

**Course Description**: Coding is an interactive introductory course for students new to programming. The course teaches the foundations of computer science using the Python language. Not only will this course prepare students for further study in computer science, but it will teach students how to think computationally and solve complex problems. This will cover the basic building blocks of programming along with other central elements of computer science.

**Methods** The course will consist of video lectures, daily programming exercises, longer coding assignments, regular quizzes, projects and exams.

**Grading**: Grades are determined on a percentage basis. Each quarter grade will be 40% of the final semester grade. There may be a final project/performance test that weighs 20% of the grade.

1. Daily Work 20%
2. Assignments 40%
3. Exams 40%

**Student Goals**

 Students who successfully complete the course, adhering to assigned tasks and due dates, will be prepared to:

* Have the basic technical vocabulary of computer science.
* Understand basic principles of thinking and problem-solving with computers and computation.
* Recognize and use fundamental elements of computer programs such as commands, variables, conditionals and loops.
* Understand the representation of data in computer memory.
* Design, plan, implement and test programming projects.

**Cheating/Plagiarism:** Do not take or borrow another student, adult or teacher’s work. Seeking help to facilitate your understanding is not cheating or plagiarism. All work you hand in needs to be your original work, whether it is a test, homework or research for a project. Instructors and Administrators will decide the consequence for an infraction. The penalties can be severe and the students risks failing either the assignment or the class.

**Electronics**: Electronic devices that have web access should not be in the possession of the student during instructional time unless the teacher has indicated otherwise. Use of social media for purposes other than educational is strictly prohibited. If a student is using a device during times other than when the instructor has indicated, the device will confiscated and given to the office.

**Respect:** Students need to be respectful of the privacy of their classmates. When personal opinions, feelings, or experiences are shared, a level of confidentiality is expected. Bullying, gossip, or abuse related to discussions in this class will not be tolerated.

I have read and understand the policies and protocols provided to the student and parent regarding this class on the previous page. I will do my best to foster good discipleship as a student or a parent/guardian to ensure the classroom environment remains positive and productive throughout the course of the year.

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**Student Name (Print) Student Signature**

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**Parent/Guardian Name Parent/Guardian Signature**

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 **Parent/Guardian Name (Optional) Parent/Guardian Signature (Optional)**

**Parent/Guardian Contact Information (Preferred contact information):**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**