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| \ | **Boston Latin School**  Department of Mathematics  2019-20 |

**COURSE**  AP Computer Science Principles

**teacher**  Dr. Nguyen

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Room: 306

**COURSE DESCRIPTION**

The proposed syllabus is for a year-long course. The course meets for five 45-minute class periods per week. The course will introduce students to the creative aspects of programming(Python), abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

**reading syllabus**

Regular Text: Lecture Notes on Google Classroom.

**GRADING**

Your grades each term will be calculated using a points-based grading system. The student receives points for completed assignments, projects, quizzes and tests and the term grade is determined by the number of points earned out of the number of possible points. Each term, there will be 3 tests for a total of 300 points and 100 points for binder checks, worksheets and lab assignments. The final grade is calculated from the total number of points obtained from the entire year.

**Homework**

Homework assignments are given to help students learn the material in the class and to develop good reasoning and problems solving skills. The expectation is that students will do each night’s assigned homework.

*The Homework Policy:*

If a student completes all homework assignments then two percentage points will be added to his or her term average.

If a student completes all but two or fewer homework assignments then the term average is unaffected.

If a student misses more than two homework assignments in a term then he or she will lose one percentage point from the term average for each assignment missed.

**CONDUCT**

Students’ active participation in classroom work and discussions is an integral part of the learning atmosphere in class. Students are responsible for all the work covered in class when they are absent from school. Any work or assessments missed due to EXCUSED absences must be made-up within 3 days of return with a note. Make-ups are the student’s responsibility.

Students are expected to be respectful in their attitude toward one another, the teacher and will behave in accordance with the BLS Student Handbook. You will receive 1 mm for each of the following minor offenses: tardy to class, failure to bring textbook to class, failure to have textbook covered properly, speaking out of turn, etc.

**SUPPLIES**

3 Holed-Punch Binder with Dividers

Computer with internet

**OFFICE HOURS**

7:00-7:30 A.M. by appointment only

Parents please e-mail to make an appointment

Students please see me during class to make an appointment

***Students and Parents:***

*Please read the above information for (course) together, and indicate by your signatures on the reverse of the (color) copy of this syllabus that you understand the purpose, format, and expectations of this course. Please return the (color) copy to me and keep the white copy for your own reference. Please feel free to see, call, or e-mail me with any questions or problems you might have*.

***Student:***

I have read and I understand the course description and classroom expectations for (course name). I also understand that I will be held accountable for the return of my textbook(s) in June.

Student signature Date

Student e-mail

***Parent:***

I have reviewed the course description and classroom expectations for (course) with my son or daughter.

Parent signature Date

Parent e-mail

Parent phone/s \_\_\_\_\_\_\_