COMPUTER SCIENCE APPLICATIONS

INSTRUCTOR: KEVIN KAMRATH

CONTACT INFORMATION

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Computer Science Teacher

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I will respond to e-mails within one business day.

COURSE MATERIALS

CodeHS and College Board

Recommended to have paper, pencil, a method of paper organization, and the computer the school provided charged.

Students will be able to access materials through Google Classroom or Classlink

COURSE DESCRIPTION & OVERVIEW

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

The AP Computer Science A course reflects what computer science teachers, professors, and researchers have indicated are the main goals of an introductory, college-level computer science programming course:

- **Program Design and Algorithm Development**
  Determine required code segments to produce a given output.

- **Code Logic**
  Determine the output, value, or result of given program code given initial values.

- **Code Implementation**
  Write and implement program code.

- **Code Testing**
  Analyze program code for correctness, equivalence, and errors.

- **Documentation**
  Describe the behavior and conditions that produce the specified results in a program.

- **Ethical Computing**
  Understand the ethical and social implications of computer use.

Students will work in collaborative environment gaining and sharing knowledge with each other. Students will get hands on experiences with software design, data structures, and networking.

Students will be assessed in a variety of ways range from group projects, labs, and individualized test. All with the goal of guiding them to a successful ap exam.

COURSE POLICIES

Classroom Behavior & Expectations

- Students will respect each other.
- Students will respect the classroom and objects in it.
- Students will respect the teacher.

Electronics

- Phones are to be stowed in backpacks
- Listening to music within the classroom is prohibited
- Computers are to be brought to class, every day, charged.
- Computers are only to open and in use when instructed

Failure to comply with the electronics policy will first result in a warning, followed by the forfeit of access to that item. If a student forfeits an electronic device to me multiple times, parents will be notified.

Food

Students are not to eat food within the class. Nor are students to consume any beverage other than water in the classroom. If a student brings a drink that is not water and it is open, they will be asked to place in on a counter. Water cannot be on desks and must be kept on the floor. If a student has needs that require them to eat, they must let the teacher know of that need.

Academic Integrity

On individual assignments students are expected to do their own work. This means that it cannot be plagiarized. Moving into a more modern era the use of AI is considered to be plagiarism. Use of outside resources when not permitted will also result in a breach of academic integrity.

Whether a breach of academic integrity has or has not occurred is up to the teacher. The first breach of academic integrity results that assignment not being graded, and parents will be notified. After a second breach in addition to what would happen the first time the teacher would recommend the student be released from BST. If a third breach were to occur the teacher would no longer grade any work from the student.

Late/Make-up Work

Late work is only accepted the day after the assignment is due for a maximum of half credit.

If a student were to miss class and need to make up work. It is the student's responsibility to approach the teacher and ask what they need to do and how long they have to do it. They will always be allotted the same amount of time as other students.

If student's are given an assignment that takes multiple days and they miss a day in the middle of that assignment they will be awarded that extra day.

EVALUATION OF STUDENT ACHIEVEMENT

This class will use the traditional grading scale.

Letter Grade	Percentage
A	90 - 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	50 – 59%

EVALUATION OF STUDENT ACHIEVEMENT cont.

Student's grade will be broken down into the following categories

Category	Percentage
Assignments	25%
Projects	35%
Assessments	40%

ACKNOWLEDGMENT OF COURSE POLICIES

Signing of this page serves as an acknowledgment that both student and parent/guardian have read and understand the course expectations as outlined above. In addition, signature of this page indicates familiarization with the Biomedical Science and Technology Academy policies found in the school handbook.

_____   _____
Student Name (Print) & Date   Student Signature

_____   _____
Parent/Guardian Name (Print) & Date   Parent/Guardian Signature