

[#syllabus](#)

AP Computer Science A

Course Syllabus 2021-22

Instructor:

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"Injustice anywhere is a threat to justice everywhere. We are caught in an inescapable network of mutuality, tied in a single garment of destiny. Whatever affects one directly, affects all indirectly." Martin Luther King Jr.

Class Section

Period 1 Room 102

Course Information

Description

Length/Credit: 1 year/1.0 credit

Overview: AP Computer Science covers fundamental concepts of programming in Java. Students will learn problem-solving techniques, software design and documentation skills, and development and debugging strategies, all using the Java programming language.

Note: This course may fulfill a CTE or Math credit. This class is available for 10-12th grade students.

Detailed description: AP Computer Science is an introductory study of the theory and practice of computer science and software engineering. It covers fundamental concepts of programming, including data structures, algorithms, and procedures, as well as object-oriented methodologies. Students will learn problem-solving techniques, software design

and documentation skills, and development and debugging strategies, all using the Java programming language.

****Advanced Placement Course Fee:** There is a fee for AP Exam, determined by The College Board each year. BHS has scholarship funds available to students to cover this fee as needed. Students enrolled in an AP class will be required to take the Advanced Placement examination in May. College credits may be granted based upon individual performance on this test and the policy of the college attended.

Course Site

Google Classroom Code: t2w6gjx

Learning Objectives

- Primitive Types
- Using Objects
- Boolean Expressions and if Statements
- Iteration
- Writing Classes
- Array
- ArrayList
- 2D Array
- Inheritance
- Recursion

Learning Resources

Building Java Programs: A Back to Basics Approach by Stuart Reges and Marty Stepp 4th Edition.

We will access the book with a code given to you by Mr. Sovick through

<https://www.vitalsource.com/>

Course Overview

We follow the AP Computer Science course outline as we prepare for the AP Exam. We cover chapters 1, 2, 3, 4, 5, 7, 8, 9, 10, and 12 from our textbook. The course is introductory which means students need no programming experience to access the course. We use the Java programming language as designated by AP for the AP Exam.

Student Expectations

Attendance and Engagement

For this school year I will be flexible. I will create a classroom that works for us no matter what comes our way. We don't know exactly what will happen, but the way I am setting up our class means I am ready to teach in person or online. Attendance is important but if you are sick, I want you to stay home. You won't fall behind and because of the way I am setting up our course, you won't have a hard time to get caught up.

Academic Honesty

Mr. Sovick makes the assumption that students want to learn and students signed up this course on their own free will. He also believes that, as high school students, you should be preparing yourself for life. That means you will be treated like an adult. Cheating, copying, looking up solutions online all hurt yourself in the end. Mr. Sovick will assume the best in you because he trusts that you have your own self interest at heart. Work hard and think about your future and you will be better off in the end.

Communications and Self-Advocacy

The preferred method of communication is through remind.com. Please use that tool as the main communication piece between Mr. Sovick and yourself.

Policies & Procedures

Attendance

Attendance will be taken as directed by the BHS student handbook.

Grading

Grades will be calculated using total points.

Bainbridge High School reports grades at the end of each semester; progress reports are available for at the end of Term 1 and 3. Letter grades are calculated using the following grading scale:

Grade	High	Low
A	100.00%	93.00%
A-	92.99%	90.00%
B+	89.99%	87.00%
B	86.99%	83.00%

Grade	High	Low
B-	82.99%	80.00%
C+	79.99%	77.00%
C	76.99%	73.00%
C-	72.99%	70.00%
D+	69.99%	67.00%
D	66.99%	60.00%
F	59.99%	0.00%

Submitting Assignments

Assignments will be turned in via Google Classroom.

Late work can be turned in and will be accepted for full credit. If this becomes a problem with individuals then Mr. Sovick will discuss this with you personally.

Students are expected to master a majority of the class objectives which means there will be times when retesting is appropriate.

Technology

Students are expected to have a computer that is connected to the internet. We will use a web based integrated development environment (IDE) called Repl.it. We also use a web based textbook. Students can rely on a school issued Chromebook and it will work fine.

Cell phones are part of life today. Part of being in high school is preparing yourself for life after high school. Mr. Sovick expects you to be responsible with your use of your cell phone. He will hold you to that expectation until you prove you cannot handle it. If that is the case then Mr. Sovick will work with you individually to find a solution.

This document can and will be updated as needed