

## **AP Computer Science Principles – Belmont High School**

**Ms. McLeod, email: [kmcleod@belmontschools.net](mailto:kmcleod@belmontschools.net)**

Welcome to AP Computer Science Principles! In this course we will explore the breadth of the field of computer science and dive into the ways we can use computer science to solve the problems we encounter.

Your summer work consists of 3 assignments, detailed below. To begin, go to Google Classroom and join our APCS Principles summer classroom. The code is **fyt6nr2**

- Once you've joined, you will find the assignments posted in the 'Stream' and under 'Classwork'. You can turn in the assignments through Classroom.

All of these assignments must be completed by the first day of school and will count as classwork grades for Quarter 1.

### **Assignment #1: Course Description (5 pts)**

Read the [Course Description](#) for AP Computer Science Principles (available on Google Classroom). Focus on the "About AP Computer Science Principles" section on page 7, the "Course Framework" section starting on page 11, the "Exam Overview" section starting on page 163, and the "Create Performance Task" section starting on page 189. Answer the questions on the Google Form on Google Classroom

### **Assignment #2: Blown To Bits (5 pts)**

Read Chapter 1 from the book *Blown to Bits* by Abelson, Ledeen, and Lewis

- The book is available as a free download. Here is the link to the PDF of just Chapter 1: <http://www.bitsbook.com/wp-content/uploads/2008/12/chapter1.pdf>

Answer the questions on the Google Form on Google Classroom. I expect all written assignments to be in complete sentences, use correct grammar, and use correct punctuation. I also expect well-designed, clear, concise answers with supporting details.

### **Assignment #3: CodeHS Assignment (15 pts)**

Join our CodeHS.com summer class with the code:

**<https://codehs.com/go/442C4>**

Over the summer work through all of the sections. Once you have completed all of the assignments in these sections, go into Assignment #3 on Google Classroom and select 'Mark As Done.'

Three Things to Note:

1. Regardless of your prior programming experience, you **MUST** complete all of the lessons in these sections. You will lose points for any sections that are not completed.
2. **DO NOT WAIT UNTIL THE DAY BEFORE SCHOOL STARTS TO BEGIN THIS ASSIGNMENT!!!!!!** While you may be able to complete some of the exercises quickly, others take more time.
3. We will not be following the CodeHS curriculum, but we will be using some of the exercises as practice and review throughout the year.