AP Computer Science Principles A Assignment 2024-2025

I am very excited that you are taking this course, and I am looking forward to getting to know each and every one of you. AP Computer Science A is a college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. We will spend a lot of time preparing for the AP exam, and you will be taking the exam on the first two full weeks of May 2025

In order to ensure the best start for everyone next year, you will have to complete work this summer. The assignment is due on the first day of school, Thursday, August 15, or Friday, August 16, 2024. It will count as your first quiz.
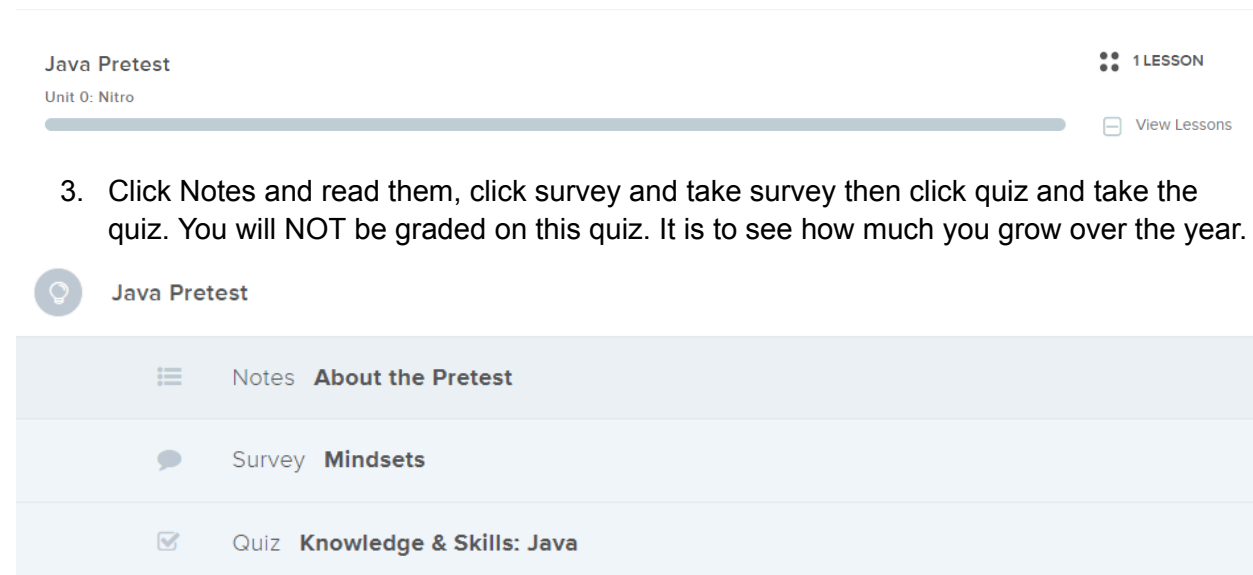
Assignment Codehs.com

Over the summer, work through Codehs.com Java Pretest and Primitive Types

Join Codehs.com with the following link: https://codehs.com/go/271AB

1. click Join Section with Google account, make sure to use your school email. Code is   271AB

Follow along with the assignments under Introduction to Programming. 1.1 - 1.7
2. Click Java Pretest

Java Pretest
Unit 0: Nitro   :: 1 LESSON

                                                                   ⊟ View Lessons

3. Click Notes and read them, click survey and take survey then click quiz and take the quiz. You will NOT be graded on this quiz. It is to see how much you grow over the year.

💡 Java Pretest

☰   Notes **About the Pretest**

💬   Survey **Mindsets**

☑   Quiz **Knowledge & Skills: Java**

4. Click Primitive Types, then click Why Programming? Why Java? Click the video button, watch video, click the next button which is a check mark, answer the questions. Continue this with each button for each section. 1.1 - 1.7

Primitive Types
Unit 1: Nitro

View Lessons

1.1	Why Programming? Why Java?	
1.2	Variables and Data Types	
1.3	Expressions and Assignment Statements	
1.4	Compound Assignment Operators	
1.5	User Input	
1.6	Casting and Ranges of Variables	
1.7	Primitive Types Quiz	

I highly recommend that you **spread** out the assignment over the summer. Pace yourself. Please do not try to complete it all in the first week of August. The concepts in AP CS A take time to process and grasp at a level necessary for success in this class. Remember, AP Computer Science A is a college level course. Taking a college level course in high school is not to be taken lightly. It requires dedication, and is a great investment in your education so prepare yourself and arrive ready to learn.

 Have a great summer and enjoy AP Computer Science A.

Mrs. Sweeney