



Course Overview

This course is designed for students who are serious about programming. JAVA requires a good mathematical background and strong problem solving skills. The course is designed to prepare a student for the Advanced Placement® Computer Science exam, level A. Topics include: simple, user defined and structured data types, algorithm development, decisions and loops, arrays, recursion, searches and sorts, data abstraction, and classes. The curriculum we use in this class is approved by the College Board as an authorized AP Computer Science course.

Course Objectives

At the end of the course students will be able to:

- *Understand object-oriented programming and top-down design*
- *Understand and use conditionals and loops*
- *Understand and use strings and arrays*
- *Understand and use classes*
- *Understand and use methods and recursion*
- *Analyze, design, code and test software*
- *Be prepared to take the AP Computer Science test*

Textbook

This course will reference a free, online textbook.
Eck, David J. "Introduction to Programming Using Java." Hobart and Williams Smith Colleges, 17 May 2013. Web. 09 July 2013.

Other Recommended Resources:

Deitel. "Java How to Program", Tenth Edition. Prentice Hall, 2015

Mr. Lew's APCS Homework and videos online at:
http://www.thecubscientist.com/APCS/indexAPCS_HW.html

Make-up Requirements

Students who find it necessary to be absent are expected to make-up their missed assignments within **2 weeks** of the students return. Work can **ONLY** be made up if the absence is **EXCUSED**.

Participation

As with any career, your employer will have expectations for your performance. The following personal management skills will help you in this class and in the real world working environment.

1. **Self Management** – I come to class prepared and on time, follow directions the first time they are given, use appropriate language, and check for the work I've missed.
2. **Persistence** – I am on task, proof-read my work, have a positive mindset, and use my resources (textbook, websites, help folder, posters, & classmates).
3. **Contribution** – I participate in this class, respect my classmates and teacher, and help other classmates learn.

Grade Scale

This is an approximate breakdown of how grades will be calculated.

Daily Activities	10%
Assignments and Quizzes	30%
Exams.....	60%

Contact Information

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 Pittsburg High School
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 Pittsburg, CA 94565
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Classroom Rules

1. Everyone is expected to treat others with courtesy and respect.
2. Students are expected to be **at their assigned seat when the bell rings**. Students who are late to class may be sent to the OCS office to get a tardy pass (per school policy).
3. Be creative and have fun.
4. **Do your own work**. Student activities on the computers may be monitored.
5. Students will not download, change, add, or delete any of the files on the computer or network including other student's folders. **Damage to computer's hardware or files can result in suspension and/or expulsion.**
6. Students are expected to participate in all learning activities of the class. **The computers are provided to be used as learning tools, not toys**. Students who alter settings, play games, etc. may be referred to the school administration for disciplinary action.
7. Students will use the computers and the Internet for educational purposes and may not go to any inappropriate websites, chat rooms, or instant messaging.
8. Food, drinks and gum are not allowed in the classroom and all personal electronic devices must be off and out of sight.

9. Try your best and you will be successful!

The PUSD Network will not be used to transmit threatening, obscene, or harassing materials. The District will not be held responsible if you participate in such activities. Failure to comply with the Internet rules may result in suspension from the class and school.

The key to success is being in class every day and doing your best!
Be respectful, Be Safe, Be Responsible!

I have read and understood Mr. Simionas's policies and rules.

Student's first and last name: _____

Student's signature: _____

Parent or Guardian's name: _____

Parent or Guardian's signature: _____

Parent or Guardian's phone and/or email: _____

Parents and Guardians!

Your involvement and positive support in your student's education is the most important contribution to their achievement.

◆ You may check your student's grades and attendance from the PHS website at <https://aeries.pittsburg.k12.ca.us/parentportal/> or click Home Connection on the PHS home page.

◆ Dates to remember:

Back to School Night: August 25, 6:00pm - 8:00pm