

AP Computer Programming

(Telepresence)

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Course Description

This course is a one trimester course in which the programming language JAVA is used. Students will use advanced JAVA concepts to solve many different problems.

Telepresence Classroom

- This course is being taught via the Anoka-Hennepin Telepresence System so that students from multiple schools have the opportunity to take the course.
- The Telepresence room connects 2 minutes before the bell and disconnects 4 minutes after the bell.
- The microphones in the room pick up most sounds (even slight tapping of your pencil). Please be aware that anything you say in the classroom might be heard by all students. Your teacher will instruct you on when and how to use the microphones.
- Each room has a cart of laptops for use within the room. Please use the laptops responsibly. If you need to work on programming homework outside of the Telepresence room it can be installed on your own device at home. If you do not wish to use your own device, please talk with your IMC staff to see if Netbeans is installed in your IMC. If it is not, please let your instructor know so that the appropriate staff can be contacted to try to make accommodations for you.
- At any time where technical difficulties arise, students are expected to use that time to work on their programming assignments.
- At the same time, there will be some school days where different schools operate on different schedules. If one class finds themselves waiting for students from another school to show up to the telepresence room, they should use their time for working on programming assignments.
- Due to the technology in the room, no food or beverage is allowed in the Telepresence Classroom.

Course Materials

Most course materials for the course will be available online using Moodle. Students will be shown how to access Moodle during the first week of class.

Textbooks

Fundamentals of Java, Lambert/Osbourne
Blue Pelican Java, Cook

Topics covered:

- Review of Programming I concepts
- Arrays and Array Lists
- Classes
- Looping Structure and Recursion
- Searching and Sorting
- Inheritance
- AP Test Preparation

Grading:

Your grade will be determined by programming assignments, quizzes, tests, and possible programming projects. The class is setup in Modules (Units) which each last about 1-2 weeks.

Grading Scale:

Students will be graded according to the following grading scale:

A	92-100%
A-	90-91%
B+	88-89%
B	82-87%
B-	80-81%
C+	78-79%
C	72-77%
C-	70-71%
D	65-69%
F	Below 65%