



# Coronado High School



***Mr. Winn***

**Course:** Computer Science III AP

**Course Scope:**

This is a one-year, project-based, third year course (Advance Placement (AP), International Baccalaureate (IB), Honors (H)) with emphasis on object-oriented programming methodology, algorithms, data structures and ethics using Java language. Emphasis will be placed on data structures. Other topics will include comparative languages, hardware, software, operating systems, the software development lifecycle, and use of multiple platforms. Prerequisites include grades of B or better in Geometry, Algebra II, and Computer Science II or permission of the instructor. This course will receive one elective credit for graduation.

**Course Goals:**

1. To review and implement the software life cycle.
2. To build and utilize proper data structures.
3. To review major hardware and software components, operating systems, comparative languages, and multiple platforms.
4. To recognize the ethical and social implications of computer use.
5. To read, understand and build a large program, a description of the design, and the development process leading to such a program.
6. To explore professional issues facing computer programmers.

## Evaluation:

1. **Grades** will be weighted according to the type of assignment. These weights are a percentage of the overall grade, and the scale is as follows:
  - a. Tests:.....40%
  - b. Quizzes.....15%
  - c. Daily Assignments/Programs..... 35%
  - d. Participation.....10%Total: 100%
  
2. **The Grading Scale** for all work is as follows:
  - A.....90-100%
  - B.....80-89%
  - C.....70-79%
  - D.....60-69%
  - F.....Below 60%
  
3. **Citizenship** – Factors considered determining Citizenship grades are as follows: (An accumulation of 5 offenses in a quarter will result in a “U” in Citizenship)
  - a. Promptness
  - b. Preparedness
  - c. Politeness
  
4. **Extra Credit** may be assigned on some homework assignments, or found on some quizzes or tests, but will not be given on an individual basis.

## Classroom Policies:

1. **Beginning the class period:**
  - a. You will be expected to enter the class in a civilized manner, and begin on any assignments for that day.
2. **Ending the Class Period:**
  - a. You will be expected to remain in your seat until **I dismiss the class.**
  - b. Crowding or gathering by the door will **not** be tolerated.
  - c.
3. **Materials:**
  - a. Text book
  - b. Lined notebook (paper from spiral notebooks will not be accepted)

- c. Pencil or Pen
- d. Cougar Planner

#### **4. Class work Policy:**

- a. **All work** must be written legibly where I can read it or you will get a zero for that assignment.
- b. **All work** must have the following information in the upper right corner of the paper:

**Name**

**Date**

**Period**

**Assignment**

#### **5. Make-up Tests and Quizzes:**

- a. Should you have an approved absence on a quiz or test day, you will have 3 school days to take a make-up quiz or test. You will need to schedule a time with me to take the quiz or test. If you are absent the day before a quiz or test, you are still expected to take the test with the rest of the class, since you will have only missed the review.

#### **6. Tardy Policy:**

- a. All students will adhere to the school-wide Tardy Policy. If you are tardy for any reason, **you must sign the tardy sheet** when you enter the classroom. Students who are tardy 30 minutes or more will be marked absent.

#### **7. Classroom Behavior:**

- a. Attendance is an integral part of the educational process. Clark County School District Attendance Policy will be enforced.
- b. Be prompt.**  
You must be in your seat when the bell rings, or you will be marked tardy.
- c. Be Prepared.**  
You must bring the required materials to class each day, and be ready to actively participate in the class discussions and activities.
- d. Be polite.**

This includes respectful behavior towards myself and your classmates, as well as the classroom itself. Please help keep the classroom clean and orderly.

- e. Theft, fighting, insubordination, the possession or use of narcotics or weapons will result in immediate referral to the dean.

## **8. Consequences (in order of offense)**

- a. Verbal Warning.
- b. Phone call to parent or guardian.
- c. Teacher Detention.
- d. Referral to the dean.

## **9. Academic Dishonesty**

Coronado High School and its faculty demand a high level of scholarly behavior and academic honesty on the part of students. If a student is caught cheating, the consequences for such actions are as follows:

**First offense:** The student will receive a grade of zero on the current assignment, and a phone call to the parent or guardian.

**Second offense:** The student will receive a “U” in citizenship, and a possible failing grade in the class for the current semester.

## **10. Programming Assignments**

- 1) All programming assignments must be completed before a grade will be given.
- 2) The following breakdown of how your programs will be graded.
  - a. Documentation (program comments) -- 30%
  - b. Code formatting and readability – 10%
  - c. Spelling – 10%
  - d. Program compiles successfully – 20%
  - e. Program output is correct – 30%
- 3) All programs must be completed on the specified due date.

I look forward to an exciting year!