Welcome to AP Computer Science A!

Teacher   Mr. Goronja   Room F-228
                      Email   matthew.goronja@nicolet.us

Level   Honors level, year-long course.

Recommended Materials   Chromebook and something to write with.

Online Textbook   code.org sign up

Topics Covered

All topics on the AP Computer Science A exam will be covered, including

Primitive Types, Using Objects, Boolean Expressions and If Statements, Iteration, Writing Classes, Arrays, ArrayLists, 2D Array, Inheritance, and Recursion

Course Outline

1. Object-Oriented Programming
2. Class Structure and Design
3. Arrays and Algorithms
4. Conditions and Logic
5. Two-Dimensional Arrays
6. ArrayLists and String Methods
7. Method Decomposition and Recursion
8. Searching and Sorting
9. AP Exam Review and Practice

Grades

- Term Grade (85% of Semester Grade) calculated based on:
    - 40% Formative: Completion of code.org assignments, homework assignments
    - 40% Summative: MCQ and FRQ assessments at the end of each unit
    - 20% Projects: Coding projects at the end of each unit
- Exam Grade (15% of Semester Grade)

Formative assignments will be given daily to help students practice and master concepts. Formative assignments are due the next class period, unless otherwise specified. Students who miss assignments due to excused absences must contact the teacher to determine how to earn credit. Students will not be penalized for late work as long as assignments are turned in by the beginning of the class period on the day of the summative assessment.

Summative assessments will be given as an opportunity for students to demonstrate mastery at the end of a unit. Summative assessments will be approximately half of a block period. Students are expected to be prepared to be successful on the day of the assessment. Missed summative assessments due to absence will be completed before or during the next class period.

The following are the lowest scores possible for each particular grade, with no rounding:

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
97	93	90	87	83	80	77	73	70	67	63	60	0

Math Department Cell Phone Policy: Students must follow staff procedures for storage of cell phones in classrooms. If the device is used or seen without permission during instructional time, it will be confiscated by the teacher and turned into the high school office. Failure to comply with a teacher's directive will result in a second referral to administration.

Nicolet Student Handbook Cell Phone Policy:
- **First offense:** The device will be confiscated and returned to the student at the end of the school day.
- **Second offense:** The device will be confiscated and returned to the student at the end of the day and the student will receive a lunch detention.
- **Third offense:** The device will be confiscated and the student's parent or guardian will be required to pick up the phone. The student will receive a lunch detention.
- **Fourth offense:** The device will be confiscated and the student's parent or guardian will be required to pick up the phone, and a cell phone management plan is put in place.
- **Additional offenses:** Repeated offenses beyond four, or a student's refusal to follow school staff directives regarding devices, will lead to additional consequences up to suspension.

Absences: In the case of an absence, it is the responsibility of the student to remain up to date with coursework. To do so, the student must review the class agenda, complete missed notes and assignments independently, then schedule an Enrichment Block if extra help is needed. Students who are absent due to long-term absences must schedule a meeting with their teacher(s) to create a plan for recovering missed content and assignments.

Short-Term Virtual Learning Information
If Nicolet shifts to a virtual learning day because of weather or other short-term reason, we will continue our learning on Canvas. All the information that you will need for this class on a virtual learning day will be found in the announcement that will appear in our Canvas course. You must submit the work assigned for this day by 11:59 to verify your attendance, but we encourage you to begin your work early enough so that you can use the designated office hour time during the school day for any questions that you might have.

Artificial Intelligence Syllabus Statement
Learning is an active process that engages students in the development of new skills and knowledge, therefore students may use AI **only when they have been given permission by their teachers and use AI to support active learning**. This permission is given with the expectation that students will use Artificial

Intelligence **effectively** and **responsibly** and that it will be used to **augment** learning and not replace it. Copying and pasting of Artificial Intelligence output and presenting it as original work is considered plagiarism and constitutes a violation of the Nicolet District Academic Integrity policy.
Teachers who give permission for the use of AI may require citation or other documentation and may provide additional expectations of what approved use of AI looks like in their course.

Student Manual AI Academic Integrity
Nicolet High School commits itself to excellence and equity by intentionally engaging students in achieving personal success and contributing to the local and global economy. Academic integrity is vital to this commitment. Therefore, student work must be the student's own and completed in accordance with the District's academic integrity expectations. Students may not engage in **unauthorized** collaboration with or utilize ChatGPT or additional Artificial Intelligence (AI) tools. Students MUST obtain permission from their TEACHER before using an artificial intelligence (AI) tool for coursework. Using AI tools without permission is viewed as a violation of the District's Academic Integrity Policy.