



Computer Science Principles



SYLLABUS

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Course Description

Computer Science Principles is the second course for the Information Technology (IT) pathway in Game Design. The concepts and computational thinking practices central to the discipline of computer science, organized around the seven big ideas; all of which are fundamental principles essential to succeed in future college courses and a variety of STEM based careers. Emphasizing these key big ideas helps students build a solid understanding with computing and computational thinking. These integral understandings can be applied in further studies of computer science and provide a pathway for becoming a well-educated and informed citizen who understands how computer science impacts people and society.

Methods of Instructional Learning

| Published Materials | Instructional Supplies |
|---|---|
| Handouts | Headphones (Full headsets, earbuds, etc.) |
| Online modules and online textbook/resources (In class) | Pen and pencil |

Future Business Leaders of America (FBLA)

FBLA is a co-curricular student organization in Business and Computer Science that promotes leadership, career planning, community service, and employability skills. FBLA prepares students for “real world” professional experiences as well as networking opportunities.

FBLA provides learning experiences outside of the classroom. Opportunities for scholarships, leadership training, and travel are just a few of the many benefits of FBLA. Membership is strongly encouraged for all students enrolled in a business course. **The last standard of the course is FBLA related and these employability/leadership skills are required components of all business courses.**

FBLA activities and lessons will be incorporated into the class curriculum. **Please encourage your child to become a member so that he or she will receive credit and recognition for his/her accomplishments from Georgia FBLA and be able to list them on future job applications, scholarship applications, and resumes.** All other club activities outside of the classroom are optional. Members may choose their level of involvement outside of the classroom, but active membership is strongly encouraged. FBLA membership dues are \$20, including a t-shirt, and are due Friday, September 8th to Mrs. Rizoti, room 353.

Technology Education Grading Policy

| | |
|-------------|------|
| Summative = | 60 % |
| Formative = | 40 % |

| | |
|------------------------------------|------|
| Semester classwork total average = | 80% |
| Final Exam total average = | 20% |
| Total Average Semester Grade = | 100% |

Attendance and Make-up Work

Please see Code of Conduct for attendance and make-up work policy.

Final Exam Exemption Policy (Subject to change at any time)

To be offered the opportunity to exempt a final exam, a student must:

- A. Have zero absences for the entire semester in that class and a semester average for that class of at least 80%
- B. Have not more than one absence for the entire semester in that class and a semester average for that class of at least 85%.
- C. Have not more than two absences for the entire semester in that class and a semester average for that class of at least 90%.
- D. Have not more than three absences for the entire semester in that class and a semester average for that class of at least 95%.
- E. Be free and clear of all fines, charges, etc.

NOTE: Being suspended from school, assigned to ISS, having corporal punishment or having more than five tardies and/or early checkouts or a combination of both in any class during the semester makes a student ineligible for exemption. (**NOTE: THIS POLICY DOES NOT INCLUDE ANY COURSE THAT REQUIRES AN E.O.C. THOSE ARE ALWAYS MANDATORY**)

Tardy Policy

Students are expected to be in the classroom when the bell rings. Students who are tardy will be sent to the office to receive a tardy slip before being allowed to enter the classroom during first block. All other blocks they will be marked tardy in Infinite Campus.

Computer, Internet Usage, and Plagiarism Protocol

This course is taught in a computer lab. Computers will be used on a regular basis to complete assignments and enhance student learning. Additionally, they must comply with lab rules at all times while using the computers. See the attached lab rules for details.

Plagiarized work must be resubmitted. For the first offense a student may rewrite an assignment for a grade no higher than a 70. Each offense after, they will receive a 0 with no rewrite.

Students are expected to complete work **while in class**. Points will be deducted 10 points daily for students who are present and submit work after the assignment is due. Students who have an **EXCUSED ABSENCE** will have 3 extra days to complete their assignments.

Content/Standards

IT-CSP-1: Demonstrate employability skills.

IT-CSP-2: Create digital artifacts.

IT-CSP-3: Apply abstractions in digital data.

IT-CSP-4: Create computer programs.

IT-CSP-5: Develop and analyze algorithms.

IT-CSP-6: Create programs that translate required by business and industry.

IT-CSP-7: Gain insight into the operation of the internet.

IT-CSP-8: Develop a logical argument for multiple ways how computing enhances our lives.

IT-IDT-9: FBLA experience and learning

Guidelines & Expectations for Academic Success

1. Complete daily class assignments and turn in on time.
2. Participate in classroom discussions and ask questions.
3. Problem solve and accept challenges to improve yourself.
4. Participate constructively as a team member.
5. Students are expected to create their own work.
6. If student needs additional time to completed assignments and projects, arrangements should be made to come in before or after school to complete class work.
7. **READ COMPUTER LAB RULES CAREFULLY AND HAVE PARENT OR GUARDIAN SIGN AND RETURN TO SCHOOL BY January 12, 2018.**

PICKENS COUNTY NON-DISCRIMINATION POLICY

Federal law prohibits discrimination on the basis of race, color, or national origin (Title VI of the Civil Rights Act of 1964); sex (Title IX of the Educational Amendments of 1972 and the Perkins Act of 1998); or disability (Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990) in educational programs or activities receiving federal financial assistance. Students, parents, employees, and the general public are hereby notified that the Pickens County Board of Education does not discriminate in any educational programs or activities or in employment policies

