

Pompano Beach High School
Computer Science Principles (CSP)
Course Syllabus 2016 - 2017

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Course Description:

This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The AP Program designed AP Computer Science Principles with the goal of creating leaders in computer science fields and attracting and engaging those who are traditionally underrepresented with essential computing tools and multidisciplinary opportunities. is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of Code.org CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.

Prerequisite: 1. Completed Algebra
2. Exploring Computer Science (ECS)

Course Sections

- The Internet
- Digital Information
- Algorithms and Programming
- Big Data and Privacy
- Building Apps
- Performance Tasks

Evaluation

There will be a minimum of 9 grades per quarter. A grade can be an assignment or a quiz/test. Assignments will be evaluated on final output along with teamwork and each grade is weighted based on the project's size and complexity. I do not "bump" grades, thus, if a student receives an 89.9% for a particular quarter, I cannot bump his grade to an A. I do not calculate the grade, the Pinnacle grading system does this based on the weight of each grade. The students must therefore give their best performance for each assignment/quiz in order to ensure they receive the best grade possible.

Academic dishonesty (cheating of any kind) will result in a grade of 0%. There will be no exceptions on this as my students well know. Please recognize that a 0% is not the same as an F. An F is 59% or below which is much easier to recover from than a 0%. For example, obtaining a 0% for an assignment and 100% on ALL remaining assignments in a quarter will result in a final grade of 88.9% (for 9 grades which are all equal weight).

Attendance:

1. Coming to class on time everyday is required. I do not allow students to come into class late with the excuse that their prior teacher held them or that they "come all the way from the portables". On time means being seated and ready for work. No exceptions.
2. If you must be absent from any class, make sure it is excused immediately.
3. It is your responsibility to obtain missing assignments, complete them on your own time and submit those to the instructor within the allotted time for a grade.
4. You are responsible for all material presented in class. Tests, quizzes, notes, often include questions on material presented only in class, so performance on these indirectly reflects attendance.
5. All work must be handed in on time for full credit.

Classroom Behavior:

1. Be seated and ready to work at the sound of the tardy bell to avoid a tardy. Remember, in your seat.
2. Have a positive and serious outlook towards each assignment. I will focus to make each assignment fun, interesting and challenging. I will work each day to be the best teacher I can be. I expect you to be the best student YOU can be.
3. It will be crucial for you to pay attention as I either discuss the assignment or model the assignment for you at the beginning of the day so that you know what is expected from you.
4. Individual work must be approached on your own. If you are having trouble, ask me. I am here to help you be successful. For group work, be part of the team and do not expect others to do the work for you. You will be graded on this. Do not refuse to work with students you don't know, you might just be missing out on your new best friend! If you have issues with any student, then see me. I will "try" to accommodate you.
5. Begin and complete your daily assignment on time. If you complete the assignment, continue to expand your efforts and knowledge on the subject at hand. You can always repeat the assignment as repetition is the path to mastery.
6. Non-class related activities, such as games, Internet browsing, etc, removes the focus on the material being learned and dilutes the effects of the lesson.
7. Disruptions, lack of respect, unwanted chatter, pranks, insubordination, etc. will not be tolerated. This class does not belong to any one student but is instead "our" class. Be respectful of others.
8. Make sure you go to sleep on time because sleeping is obviously not allowed.

Class Rules:

1. No jump drives, phones, music listening devices of any kind are allowed to be used. They will be taken on sight!
2. No food, drinks, and chewing gum are allowed in sight. Food/Drinks will be taken on sight.
3. School Phone policy is strictly enforced. I am allowing the privilege for you to charge your phone but it must not be seen. If I see your phone at any time it will be taken.
4. Complete all the assignments on time to earn all the points. The assignment must be completed when I come and grade it. If it is not, you will receive the partial grade per the rubric. To avoid this, have your assignment completed.
5. No standing before the end of the class (as in waiting for the bell). Do not move to a desk that is closer to the exit door. Violating this policy will result in a detention and further discipline.
6. Consequence for sleeping is a detention.
7. Do not use the back-door in our class. This can cause injury to students walking the hall. Using this door will result in a detention.
8. This class requires you to have an open outlook, an inquisitive mind, and the will and focus to do the very best you can. Bring this with you everyday and you will be successful!

Textbook: None

Supplies:

- Writing utensil
- A Composition notebook

Student: If you have any problems or questions, please feel free to ask for help anytime. I'll be glad to help in class, during lunch, or after classes. You can make an appointment with me, email me, or just show up. Please understand that with 240 students I'm not always going to immediately realize you are struggling so speak up! I'm here to make sure you succeed!

Detentions will be given for any disciplinary infraction. The student will have 2 weeks to serve the detection. Failure to serve the detection will cause referral to administration.

Parent/Guardian: Please check with your child frequently to see how he or she is doing in class. It is important that you are aware of his or her progress. If you have any question, please email me, and I will do my best to respond to you in a timely manner. I will post grades as quickly as I can on Pinnacle.

Thank you,
Mr. Roscioli

We understand and accept the rules and expectations of the **Computer Science Principles** class.

Please return this portion by September 1st, 2016.

STUDENT'S NAME _____ DATE _____

STUDENTS SIGNATURE _____

I have read and discussed this syllabus with my child.

PARENT/GUARDIAN'S NAME _____

PARENT/GUARDIAN'S SIGNATURE _____

HOME ADDRESS _____

HOME PHONE _____ WORK PHONE _____

CELLULAR PHONE _____ EMAIL ADDRESS _____



I understand and accept the rules and expectations of the **Computer Science Principles** class.

Please return this portion **today**

STUDENT'S NAME _____ DATE _____

STUDENTS SIGNATURE _____

PARENT/GUARDIAN'S NAME _____

HOME ADDRESS _____

HOME PHONE _____ WORK PHONE _____

CELLULAR PHONE _____ EMAIL ADDRESS _____

Code.org Computer Science Principles

Syllabus and Overview



rev. April 2016

AP[®] Computer Science Principles

Code.org's Computer Science Principles (CSP) curriculum is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.

Course Snapshot

To the right is a snapshot of the course. The course contains five core units of study, with a sixth unit devoted almost exclusively to students working on their AP Performance Task (PT) projects. Each unit has one or two "chapters" of related lessons that usually conclude with some kind of project or summative assessment. A timeline showing a typical school year is shown to give a rough estimate of pacing. **Note: the performance task submission deadline is the end of April, and the written AP Exam is May 5, 2017.**

AP Endorsed

Code.org is recognized by the College Board as an endorsed provider of curriculum and professional development for AP[®] Computer Science Principles (AP CSP). This endorsement affirms that all components of Code.org CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment. Using an endorsed provider affords schools access to resources including an AP CSP syllabus pre-approved by the College Board's AP Course Audit, and officially recognized professional development that prepares teachers to teach AP CSP.



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