

Deering High School

Course Requirements

Course: Advanced Placement Computer Science

Teacher: Jeff Borland

Credits: 2

I. Course Description:

This course is a college level Introduction to Computer Science class. The goal of the class is to learn all the material that would be taught in a college CS class and pass the AP test on May 7th. If you took another computer programming course at Deering, you may have learned the following topics, which we will cover extensively:

Objects and classes	Variables	Arrays
Methods	Conditional statements	Loops

We also will learn new ideas in CS such as:

Static vs. Non-static	Inheritance
Recursion	Arraylist

Note: *This course will move quickly in order to learn all the material. Programming experience is not required, but you will need to be focused and likely plan on staying for learning centers often in the next month.. This class will take a REAL commitment from you and it would be a true accomplishment if you do well. Besides giving you a huge leg up in college, you will learn relevant material for any career. However, make sure you are up for the challenge.*

II. Instructional Material:

We have no textbook - we will be using several websites.

III Standards:

Standards Measured/Weight Given to Each: see here for more [info](#)

DHS1: Basic Fundamentals (primitive types/conditionals/for loops)	35%
DHS2: Classes	25%
DHS3: Arrays and Arraylists	25%
DHS4: Advance AP Topics (Inheritance/Recursion)	15%

IV. Homework and Classwork:

Homework will be given often and you will generally have a couple of days to complete the assignment. The day prior to its submission you will have time in class to ask any questions. It will be graded based on completion and quality as a formative grade.

More specifically, when I check homework, all homework will be graded as below :

1 Missing more than 25% of the problems.	2 Missing 10-25% of the problems.	3 Meeting requirements. The homework has attempted all questions and if they have questions they have brought them in on time.	4 All problems done thoroughly. If extension problems exist they are completed
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One day late -.25, after that -.5

V. Assessment Details:

There will be a mix of summative (90%) and formative assessments (10%). Summative assessments may be quizzes, tests and projects that evaluate a student's understanding of the material. They will generally be at the end of a chapter and unit. Summative assessments can be made up once if the HOWLS (see below) are met or improving.

Formative assessments are given often (homework, quizzes) that will be used to gauge what a student currently understands and may be given early in a chapter. Assessments will be graded on the 1-4 rubric as well as 50-100 seen below:

50-69	Beginning
70-79	Approaching/Passing
80-90	Meeting
91-100	Exceeding

Reduced scale

0.0 = 0	Cheating, Missing
1.0 = 50	Beginning
1.5 = 60	Beginning
2.0 = 70	Approaching/Passing
2.5 = 79	Approaching/Passing
3.0 = 90	Meeting
3.25 = 93	Exceeding
3.50 = 96	Exceeding
4.0 = 100	Exceeding

VI. Teacher Availability:

If you need help, I am available 2-3 LC per week. I also am available many days after school for extra help. I am usually found in room 215. A student should attempt to make an appointment with me during class, or through email. My address is borlaj@portlandschools.org. The best way to reach me outside of class hours is through gchat.

VII. [8 Agreements DHS Grading & Retakes](#)

VIII. Habits of Work and Learning:

Habits of work and learning (HOWLs) delineate habits and skills that, when regularly practiced, promote students' academic growth and success in high school and beyond. The high schools in Portland will each teach, assess, and provide feedback on two common, vital HOWL standards -- **preparedness and engagement**.

	1	2	3	4
Preparedness	Rarely exhibits the qualities of a prepared learner.	Sometimes exhibits the qualities of a prepared learner.	Consistently exhibits the qualities of a prepared learner.	In addition to <i>meets</i> (3) criteria demonstrates excellence above and beyond it.

Engagement	Rarely exhibits the qualities of an engaged learner.	Sometimes exhibits the qualities of an engaged learner.	Consistently exhibits the qualities of an engaged learner.	In addition to <i>meets(3)</i> criteria demonstrates excellence above and beyond it.
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IX. Student Responsibilities:

- a. Use of personal electronic devices are allowed before school, during lunch, between classes, and after school. During class they must be kept off(or silent/non vibrating) in their bags. Failure to do so will result in having to put the phone in the “phone hotel” at the beginning of every class.
- b. Be on time to class and ready to learn.
- c. Be prepared every day, by bringing notebook, pencil or pen, calculator, and textbook if necessary.
- d. Students are expected to use appropriate behavior for the classroom (respect, courtesy, and self-control).

X. Class Webpage:

Our class notes are located at

<http://myonlinegrades.com/apjava>

If you are absent from school and do not want to fall behind, you can check out the page and see what we did as well as what homeworks are due the next day.