

Mobile Apps Development

Mr. Cain

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Room 158-Central Campus

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Course Objective

The main objective of Mobile Apps is for students to begin to understand and develop skills that are necessary for individuals who want to produce Apps for IOS devices.

Course Description

Students will be introduced to the process of creating mobile apps. The students will use the XCode program to develop an understanding of the programming language Swift.

At the end of this course, the student will be able to:

- Use the Swift programming language to build a simple mobile application.
 - Apply fundamental programming skills (e.g. if statements, loops, etc.) to program a working mobile application.
- Use Xcode and other industry development tools (e.g. GitHub) to build and store a program.
 - Employ some of Apple's frameworks and structures to build a program that runs and utilizes the iOS platform.
- Leverage Agile Development to manage projects, delegate tasks, and collaborate in a team.
 - Comfortably communicate about code, projects, and other technology with a variety of audiences.

Student Expectations

- Effort: Be respectful of others in the classroom, contribute to classroom discussions, volunteer answers to questions asked, use equipment in an appropriate manner, stay in seat until bell rings
- Attendance: Prompt and regular attendance, be in your seat as you enter the classroom and begin the assignment on the board
- Preparedness: Come to class with materials, supplies, equipment, stay on task, follow directions, organizes and cleans up work station

Cell Phones and Back Packs

- Cell phones are ONLY allowed at the discretion of the teacher.
- Backpacks are not allowed in the classroom.

Substitute Teachers and Visitors

- Throughout the school year the need for a substitute teacher may arise, when and if this time does come students are expected to show and act with nothing but respect towards the substitute teacher. Any discipline that needs to be given will be done using the substitute's written explanation of the events.
- Visitors to the classroom should be treated with utmost respect. Visitors could include anyone from administration, colleagues, guest speakers, parents, evaluators or aides.

Tardiness and Absences

- Tardiness will be treated directly via the student handbook. (Get to class on time).
- Absent students are responsible for any missed notes, assignments, or assessments.

- Absent students are responsible to make sure they get any missed documents from the teacher.
- Missing Work and Assessments regarding absences will be handled in accordance with the District's Handbook.
- Makeup Dates can be scheduled with the teacher at any time both parties are available. This is a time students can come for re-learning or missed teaching.

Daily Lab Work

The only way to learn to code, is to code. You will be expected to code each day. You will receive a grade daily for your coding.

Unit Quizzes

These quizzes are used to test understanding of the previously covered material.

Challenges

The challenges are apps that have been started for you, but you must complete them with the given instructions.

Apps

Each unit of the class ends with the creation of an app from concept.

Grading Scale and Reports

This class will be graded on a Total Points based scoring system. All points will be totaled and divided by total amount of points possible to be earned. We will be following the guidelines laid out in District 111 Grading Policy.

Each student will be getting mid-term report card sent to each parent/guardian directly electronically. These will inform on each student's progress in each class. This can also be checked at any time using PowerSchool.

A+: 100% - 97%
A: 96% - 93%
A-: 92% - 90%
B+: 89% - 87%
B: 86% - 83%
B-: 82% - 80%
C+: 79% - 77%
C: 76% - 73%
C-: 72% - 70%
D+: 69% - 67%
D: 66% - 63%
D-: 62% - 60%
F: 59% - 0%

Additionally, each student will be keeping an interactive portfolio that they will be able to show you exactly what they have been working on in class, the points they have earned/lost, and what this class has helped them learn over the course of the semester.