

SYLLABUS

Fisher Middle School

Intro to Computer Science—CS Unplugged

Course Overview

This course will teach students about computer science, computational thinking, and programming. This course will challenge students to think about and analyze decisions. This course will help students develop problem solving skills that will overlap into many other academic areas and life.

Activities will include a combination of unplugged activities and hands on computer work. Unplugged activities are CS topics taught without a computer. Students will be introduced to CS vocabulary and content through familiar non tech objects. Unplugged activities allow students to understand the concept behind computer science topics without becoming overwhelmed by the computer technology.

Course Title: Intro to Computer Science—CS Unplugged

Email: mdisimone@ewingboe.org

Web Site: www.ewing.k12.nj.us

For more information on some of our classroom materials visit www.code.org

Mrs. M DiSimone Room A-1
Voice mail: 609.538.9800 (x8237)

Course Content/Timeline

The digital citizenship enrichment will meet every other day for one semester.

Students will explore the following topics:

- Algorithms and Programming
 - Sequencing, Looping, Conditionals and Events
- Computational Thinking
 - Patterns, Debugging, Functions and Variables
- The Internet
 - What is it and how does it work?
 - Crowd sourcing
 - Digital Citizenship

Grading Procedures

50%	Class Projects/Tests
35%	Daily Assignments/Practice Projects
15%	Class Participation

Materials

- 1 Folder that will be left in the classroom.
- Headphones: We will be using headphones for classroom activities. It is suggested that students bring their own if possible. Simple ear buds are perfect.

Instructional Tools and Methods

- Computer programs/Internet
- Demonstration
- Discussion
- Worksheets/handouts
- Cooperative learning
- Teacher assistance
- Projects/work jobs
- Timed Writing