

INTRODUCTION TO COMPUTER SCIENCE PRINCIPLES

Requirement area: **CTE or Elective**

Course code: VCS100

Grade Level: 9, 10, 11, 12

Prerequisite: Successful completion of Algebra 1

Length: 1 semester (0.5 credit)

Homework: None

Description: This is an introductory hands-on TEAL (Technology Education and Literacy) survey course to computer science. The course is based on University of California Berkley CS10, and the instruction is co-presented by industry software engineers, computer science professionals and MHS staff. The course is focused on some of the “big ideas” in computing such as abstraction, design, recursion, concurrency, simulation and the limits of computation. The course will also introduce students to the computing applications that have changed the world, history of computing and where it will go in the future.