

# WCSD BUSINESS DEPARTMENT Courses

*“Imagine What You Can Do”*

## Computer Game Design

### **Why take this business elective?**

Plug in your imagination for this ½ credit course in computer gaming. All types of students are encouraged to learn the basics of coding in a social and creative environment. Using drag and drop block code in Scratch, you will work individually and in teams to learn how to use loops, conditionals, variables, and functions to make games. You will even have a chance to use graphic software to design your own playing pieces and take a turn programming your own background music.

### **How will this course help me in real life?**

This course is a great choice for anyone considering a career in Computer Science, Business Information Systems, or any STEM field. Most STEM majors require one or more courses in computer science. Students who have had exposure to coding in high school do significantly better in CS courses in college. By taking this in high school, you get to learn the basics of computational thinking in a low-stakes environment where the learning feels like fun.

### **When will I ever use this again?**

*Computer Game Design* is the course that teaches you to code. It is a prerequisite to the Mobile App Development course that will teach you more complex coding skills and will allow you to put your creations in the app store and on your phone.

### **What course sequences are recommended with this course?**

Microsoft Office / **Computer Game Design** / Mobile App Development /  
AP Computer Science Principles / AP CS-A