

Video Game Programming-8th Grade

Mr. Lloyd

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Course Overview

This is an eighteen-week course where we'll be learning to use a computer as a tool. We'll be learning:

- How a computer works
- How to keep yourself safe on-line
- How to create objects/sprites used in animations
- How to use programming to control object/sprite behaviors
- How to script user interfaces to allow for user control
- How to create use ActionScripting to control animation movement
- How to create an interactive video game using Scratch

Software used in this class:

Adobe Fireworks CS3

JPG, GIF, and PNG files, editing images using the toolbar, optimizing images

Audacity

Digital audio file recording and editing, digital media manipulation, exporting files for publication

Scatch

Use of motion, looks, sound, pen, control, and sensing tools to control sprite behaviors and user interface. Use of programming blocks to build sequences of code to run within games.

Adobe Flash CS3

Symbol creation and editing, morphing, timeline, layers, audio, use of the toolbar to create objects and symbols, exporting SWF files, use of ActionScripting to control animation

Microsoft Excel

Charting and analyzing your grade in this class, graphing progress

Microsoft Word

Creating reflection and notes on audio and animation files

Grades:

Grades can be accessed on-line from the Baker Edline homepage with a User ID and Password, and you can improve your grade by revising work to meet the standards identified in class. Due dates will be published in class and recorded in your in-class journal, as well as the deadlines for all work. If you are missing work, it is strongly encouraged that you complete work at home or work at lunch to complete it, so as not to fall behind.

See the Grading Policy document for further information.

Materials needed for class:

A notebook or journal for class notes and warm-ups. (composition book)
These notes may be used in formative and summative assessments.

A USB thumb drive (1GB or larger is fine) (recommended but not required)

Pencil or pen