

Syllabus

Course Title: Computers 7

Grade: 7

DESCRIPTION OF COURSE: In 7th grade computers, students will dive into the world of Computer Programming and Coding. Students will create original works of animation and design their own video game. In addition, students will continue to explore new and useful software such as Adobe Photoshop, Microsoft Movie Maker, among other tools and use their new found knowledge to create various forms of original media. Students will also explore topics such as internet safety, Google Docs, and many other Web 2.0 tools.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ELIGIBLE CONTENT
Online Course Basics, Technology/Computer Key Terms/Skills	2 periods	15.4.8.A, 15.4.8.C, 15.4.8.E, 15.3.8.T
Writing Integration (Keyboarding, GMail)	(Ongoing)	15.4.8.D, 15.4.8.M, 15.3.8.A, 15.3.8.F, 15.3.8
Computer Literacy	1 period and ongoing	15.4.8.D
Internet Safety (Social Media, picture sharing)	2 periods	15.4.8.B
Video Editing	4 Periods	15.3.8.C, 15.3.8.H
Photo Editing	3 Periods	15.3.8.C, 15.3.8.H
Google Docs (Advanced Use)	3 Periods	15.4.8.D, 15.4.8.K
Google Apps (Sites, Drive, Store, Maps, etc)	2 Periods	15.4.8.A , 15.4.8.D
Web 2.0 Tools	4 Periods	15.4.8.D, 15.4.8.G, 15.4.8.K
Computer Science/Programming/Coding (code.org, scratch, kodu)	9 periods	15.4.8.G, 15.4.8.H, 15.4.8.I, 15.4.8.J, 15.4.8.K (along with many math/science standards)

RESOURCES

Web 2.0 LMS, Various Web 2.0 Tools, MW Snap
Microsoft Office Suite (Excel, Word, PPT, etc)
Common Sense Media Resources, Microsoft Movie Maker
Adobe Photoshop Elements, Google Docs & Apps
Scratch, Kodu Game Lab, Gimp Software