

## AP Computer Science Second Semester Project Ideas

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Project	Resources Needed	New concepts to study	Development Environment
Upgrade 1 semester project	Barron's Book	Linked Lists, or Stacks/Queues, or Sets/Maps	JCreator
JavaHouse	Head First Java	RMI / Networking / Threads	JCreator
BoeBot Program <a href="http://www.parallax.com">www.parallax.com</a> <a href="http://en.wikibooks.org/wiki/PBASIC_Programming">http://en.wikibooks.org/wiki/PBASIC_Programming</a>	Your own PC	PBasic 2.5 language	Basic Stamp Windows Editor (free)
iPhone/iTouch App ** <a href="http://developer.apple.com/iphone/">http://developer.apple.com/iphone/</a>	Your own MAC	iPhone SDK (CocoaTouch)	Xcode (free)
HTML / CSS Project <a href="http://www.headfirstlabs.com">www.headfirstlabs.com</a>	Head First HTML	XHTML and CSS "language"	Textpad (free) Dreamweaver(expensive)

Stanford iPhone programming course in CS curriculum

\*\*<http://news-service.stanford.edu/news/2008/september24/iapps-092408.html>