**Setting-up the Summer Immersion Program Classroom**

Minimum IT Requirements

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* Dedicated Internet access, expect additional load on networks over the summer
* 23 Laptops (20 students, 3 teachers)
  + Laptops or desktops less than 3 years old (laptops preferred for mobility)
  + Bluetooth capability
  + Hardware must support at least one operating system that supports the software required (OSX, Windows, or Linux)
* Laptops must be pre-loaded with the following programs (all programs have free versions)
  + Scratch (non-web based version:<http://scratch.mit.edu/scratch_1.4/>)
  + Arduino software ( <https://www.arduino.cc/en/Main/Software> )
  + Atom (<https://atom.io/>)
  + Firefox or Chrome
    - Firebug (add-on)
  + Python 3.0 ( <https://www.python.org/downloads/> though most computers have it pre-installed )
    - The following Python Libraries:
      * Django
      * Git
      * Pandas
      * Pillow
      * Vincent
    - Please follow these instructions for updating and installing the above libraries.

*Programming takes up resources but no more significant than any word processing or email program that your average laptop consumer would require. Past companies have provided laptops from various manufacturers including Microsoft, Apple, Samsung, and Lenovo.*

* Whitelist websites: All laptops must have access to the following websites through the network
  + StackOverflow
  + All Google products (drive, docs, maps etc.)
  + Dropbox (final project documents) - blocked
  + GitHub
  + Relatively free reign to Google.com for resources and ideas (will be hard)
  + Khan Academy[scratch.mit.edu](http://scratch.mit.edu/)
  + Facebook - blocked
  + Twitter - blocked
  + YouTube
  + Instagram - blocked
  + Wikipedia
  + Skulpt.org
  + Ardruino.cc - blocked
  + W3schools.com