

Outreach Lab

6.02: Promote public knowledge of software engineering.

For this lab, you must:

The goal in this lab is to provide a short tutorial for high school students who lack the time [or have no option at their school] to take a beginning computer science course, but who would like to enroll in AP Computer Science in the near future.

A) Create a detailed lab module that covers one of the topics below, providing simple step by step instructions and concept introductions that someone completely unfamiliar with programming can understand. The format must be a PC+Mac compatible format that requires no plugins or special programs to work, but beyond that it's up to you (see submission format notes below).

Available topics to cover (pick one):

1. Programming statements
2. Operators
3. Data types
4. Conditionals
5. Loops

B) Assemble your materials into a multi-platform compatible archive (zip or something similar) and any instructions into both a PDF document and an RTF or HTML document.

Deliverable:

One 1-3 page (or equivalent time commitment if it's interactive) self-study activity fit for high schoolers interested in CS with no prior programming experience, and supporting materials. Format notes are above. If you would like to use a format not listed above, please email Nick as soon as possible to ask about it.

Email your lab submission to Nick by 11:59:59 PM PST on the due date.