CSC104 fall 2017

computational thinking

week 0

Danny Heap
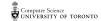
heap@cs.toronto.edu / BA4270 (behind elevators)

http://www.~~teach.~~cs.toronto.edu/~~heap/104/F16/~~ ~jsmith/104/F17

416-978-5899

Text: *Picturing Programs*

http://www.picturingprograms.com

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Outline

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Who needs computational thinking?

- We all consume computing, the thing is to change it

- Computers and networks change society   privacy, property, democracy, work, education   for better or worse

- We get an insight into computer culture by making some artifacts: programs

Two tracks in this course

▶ Insight into computing mindset: problem-solving and programs

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▶ History of computing technology, overview of modern computing computers

How to do well at this course

▶ Read the course information sheet as a two-way promise

▶ humour me: read your email!?#

▶ Question, answer, record, synthesize

▶ Collaborate with respect, e.g. registered study groups

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Warning: you need DrRacket to proceed!

beyond this point most course material will be accessible only
with DrRacket Integrated Development Environment (IDE).
That means you'll need to have access to DrRacket to read
most of the web page:

- week #1 lab gets you started, with TAs and/or instructor
  in BA3175

- you can always use DrRacket from any workstation in the
  teach.cs Bahen labs