High school is key.
Disproportionate effect on underrepresented groups
Exploring Computer Science (ECS)
ECS Status

- First Piloted ECS 08/09
- Complete, detailed lessons plans on CSTA site
- “G” credit and CTE credit in CA
- 2011/12
  - ~25 LAUSD schools,
  - 2000 students
  - 41% female, 87% URMs
- Collaboration with CENS
- Also taught in San Jose & Oakland, Chicago, Buffalo; Soon OR, D.C., NYC
CS Principles

- Conceptually-based
- Engaging
- Accessible
- Rigorous
- Inspiring
CS Principles Status

- Course framework
- College Survey
- College attestation/support
- 2010-12 Pilots at college & HS
- Preliminary work on test questions & format underway
CS 10K
10,000 teachers
10,000 schools
2016
CS 10K Status

• **ECS & CS Principles** preliminary scaling efforts underway
• **NSF investment**
  – ~$38M by fall
  – ~12 NSF awards focused on CS 10K PD
• **Private investment** at some sites
• **PD 2012:** ~500 teachers at ~15 sites
• **PD Framework** begun by UEI
Getting to 10K will not be easy.
Question: The goal of CS 10K is

(a) Laughable

(b) Daunting (but *Plausibly possible*)

(c) Not big enough: *All students*?

(d) A HUGE opportunity!
We’ll need all hands on deck.
Teachers
Faculty
School administrators
University departments
Undergraduates
Grad Students
Professionals
Professional Societies
Foundations
Corporations
How will you help?
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