



Computer Science for All

#CSforAll

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A Strategy for Innovation & Competitiveness



In the coming years, we should build on that progress, by ... offering every student the hands-on computer science and math classes that make them job-ready on day one.

– President Obama, 2016 State of the Union Address

1/30/16 – National Call to Action

- Historic budget proposal of 4Bn to States and 100M directly to districts
- 135M to train & support CS teachers
- 260M in commitments from industry & nonprofits
- 9 new states passed legislation to count, require and/or fund computer science education
- Chicago, New York, Arkansas, Rhode Island committed to provide CS for all students
- 27 Governors write open letter to Congress in support of Federal education funding for computer science

CS for All Outcomes to Date

- 400M social media impressions & growing
- More than 50 CEOs have called on Congress to support CS education
- 30 states now count CS towards graduation requirements (up from 10 in 2012)
- Over 100 commitments from tech companies, non-profits and other partners, 260M & counting...
- New AP CS course rolling out nationwide Fall 2016
- 25K teachers to be trained in 2016
- Bipartisan bill calling for \$250M in 2017 budget

Areas of Opportunity

National Science Foundation (NSF):

–\$120 million to support K-12 CS education over the next five years

<http://www.nsf.gov/pubs/2016/nsf16057/nsf16057.jsp>

–National teacher listserv: csteachers-subscribe-request@listserv.nsf.gov

–CS 10K Community of Practice - lots of ongoing updates, webinars, resources, etc. <https://cs10kcommunity.org>

–Check out apcsprinciples.org, ExploringCS.org, and bootstrapworld.org & other NSF supported CS curricula

–Matching grants for teacher training from Infosys Foundation via DonorsChoose.org/csforall



Areas of Opportunity

Department of Education (ED):

- ED has issued a Dear Colleague explaining the many ways states and districts can use federal funds to support K-12 computer science.

<http://www2.ed.gov/programs/promiseneighborhoods/stemdearcolleagueltr.pdf>

- \$100M Invest in Innovation (I3) competition for this year includes an absolute priority for STEM education, including computer science. Due 7/15/16 <http://innovation.ed.gov/what-we-do/innovation/investing-in-innovation-i3/fy-2016-competition/>

- Dear Colleague letter on gender equity in CTE programs.

<http://www2.ed.gov/about/offices/list/ocr/letters/colleague-201606-title-ix-gender-equity-cte.pdf>



Action Items

- **DON'T WAIT, LEAD!**

- Districts, Cities & States can commit to CS for All now

- **INDUSTRY**

- Fund teacher professional development in your community

- Provide employee volunteers to work with schools & informal education

- Influence policy makers to support CS education

- **ALL - Share your accomplishments (content due 7/5/15)**

- **ALL - Make a Commitment – must be *new, specific, measureable* (due 8/19/16)**

<https://www.whitehouse.gov/webform/building-president-s-call-action-expand-computer-science-education-k-12-schools>





Thank you

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