

Boise State University, in cooperation with Idaho School Districts, the Idaho Technology Council and IDLA (Idaho Digital Learning), have created and sustained a comprehensive partnership with the **IDoCode** program, *funded by NSF Award#1339403 and the STEM Action Center*, and **Code.org** to provide quality Computer Science teacher preparation.



Goals

- Work with *school districts* to pave the way for integrating CS education in K-12
- Provide *quality CS teacher preparation*
- Provide *nationally recognized courses*
- Significantly *increase the number of highly trained CS teachers* in K-12
- Reach more – *and more kinds of* – students

Success through Partnerships

- *Industry representatives* to raise awareness
- *State Agencies* to establish standards, promote CS
- *Local districts* to support and promote initiatives
- *Support teachers* through workshops, mentoring, support from industry, forums, community events
- *Drive interest* through student and teacher summer workshops, and other events
- *Promote student diversity* – NCWIT’s “Computing by Design” workshop

Training Results

	# Teachers
K-5	301
6-8	35 Algebra 29 Science
9-12	43 Code.org 54 IDoCode

Outcomes & Activities

- Fall 2013-Fall 2016:
 - Growth from 3 HS offering CS to nearly every HS in the Treasure Valley
 - CS Student enrollment up from 60 students to over 1200
- Member of the Governor’s CS in K-12 Working Group to support CS, resulting in the creation of Idaho’s STEM Action Center and funding of the CS initiative
- Participated in the creation and adoption of the *Idaho K-12 Content Standards for Computer Science*
- Co-hosted NCWIT’s “Computing by Design” workshop for teachers, counselors and principals
- Leveraged cohort teachers to train other teachers
- Three cohorts formed since 2014

Collaboration Opportunities

- Replicate and broaden IDoCode and Code.org programs to other Idaho educational partners
- Share experiences in industry and legislative engagement, lessons learnt from three cohorts
- For more information contact Dr. Amit Jain at ajain@boisestate.edu or visit <https://IDoCode.boisestate.edu>



Idaho Schools with teachers trained in Computer Science (K-12)

