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

<table>
<thead>
<tr>
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<th># Teachers</th>
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<tbody>
<tr>
<td>K-5</td>
<td>301</td>
</tr>
<tr>
<td>6-8</td>
<td>35 Algebra</td>
</tr>
<tr>
<td></td>
<td>29 Science</td>
</tr>
<tr>
<td>9-12</td>
<td>43 Code.org</td>
</tr>
<tr>
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<td>54 IDoCode</td>
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</tbody>
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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)