This is a four-day CS Principles via Music, Art and Poetry workshop for high school teachers to learn about the seven “big ideas” in the AP CSP curriculum identified by the College Board: Creativity, Abstraction, Data and Information, Algorithms, Programming, Internet, and Global Impact.

**Participants:** Secondary certified teachers. Middle school teachers will be considered if space permits.

**No prior experience with computer science is needed.**

The workshop is based on interactive activities and projects. Attendees of this workshop will gain hands-on experience with the creation of music, art and poetry using CS Principles, and learn about ways to increase student engagement in the classroom by modeling active learning techniques.

**Participants will learn:**

- The seven Big Ideas in Computer Science and the five Computational Thinking Practices.
- How to setup and use EarSketch and Processing to build and run applications.
- How to develop music using EarSketch.
- How to apply the CS Principles to develop or analyze music, art and poetry elements.

**Participants are encouraged to bring their laptops** so they can install software used in the workshop. Computers will be available if you do not have a laptop.

**Participants must bring headphones** for the music portion of the workshop.

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**Instructors**

Dr. Tim Andersen, Dr. Amit Jain, Dr. Alark Joshi
Dr. Jyh-haw Yeh, Marissa Schmidt, Heather Marr
Kaylene Barber

Department of Computer Science, College of Engineering, Boise State University

**Location**

Boise State Campus, Engineering Bldg.,
1375 University Dr., Room 111

**Registration Deadline: Monday, June 6, 2016**

Enrollment limited to 25 high school instructors.

**Registration is free.**

Participants will receive $250 stipend and seven scholarships are available for travel and lodging expenses for out-of-town teachers.

Classroom supplies, breakfast, lunch and parking will be provided.

Professional Development Credit Cost: $60 per credit. Up to 2 credits (optional)

**To register, contact Kristi Lakatos,** Coordinator, Boise State Concurrent Enrollment Program (208) 426-3294 or Email: klakatos@boisestate.edu

**Workshop Sponsored by:**

- Google CS4HS award
  Boise State’s Department of Computer Science is a recipient of a Google CS4HS award. The Google CS4HS program is an annual funding program to improve the computer science educational ecosystem by providing funding for the development and execution of CS teacher professional development worldwide.
  To learn more about CS4HS, please visit the website at [http://www.cs4hs.com/](http://www.cs4hs.com/).
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- Boise State Department of Computer Science, College of Engineering
- Boise State Concurrent Enrollment Program

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