A Workshop for High School Students in the 10th-12th Grades.

This is a two-day workshop for high school students to discover the seven “big ideas” in the Advanced Placement Computer Science Principles (AP CSP) curriculum identified by the College Board: Creativity, Abstraction, Data and Information, Algorithms, Programming, Internet, and Global Impact.

No prior experience in computer science is required.

Attendees will gain hands-on experience with the creation of music using these CS Principles during interactive activities and on projects.

Participants will learn:
• The seven Big Ideas in Computer Science and the five Computational Thinking Practices.
• How to setup and use EarSketch to build and run applications.
• How to develop music using EarSketch.
• How to apply the CS Principles to develop or analyze music.

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.

Instructors
Dr. Tim Andersen
Dr. Amit Jain
Dr. Alark Joshi
Dr. Jyh-haw Yeh
Marissa Schmidt
Dept. of Computer Science, College of Engineering, Boise State University

Location
Boise State Campus, Engineering Bldg., 1375 University Dr., Room 111
Breakfast, lunch and parking will be provided.

Registration Deadline: Monday, June 20, 2016
Enrollment limited to 25 participants.
Registration Cost: $50
To register for the workshop contact:
Kristi Lakatos, Coordinator,
Concurrent Enrollment Program
(208) 426-3294 or email: klakatos@boisestate.edu

Workshop Sponsored by:
♦ Boise State Concurrent Enrollment Program
♦ Boise State Computer Science Department, College of Engineering

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