



Computer Science Principles via Music

Wednesday, Thursday & Friday, August 2-4, 2017
8:30 a.m. to 4:30 p.m. • Boise State University

A Workshop for 9th-12th Grade Students and High School Teachers

Join us for a three-day workshop for high school students and teachers to experience “big ideas” in Computer Science.

No prior experience in computer science is required.

Attendees will gain hands-on experience with the creation of music using 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 Computer Science Principles to develop or analyze music.

Participants are encouraged to bring their laptops. Computers will be available if you do not have or wish to bring a laptop.

Participants must bring headphones for the music portion of the workshop

Instructors

Dr. Amit Jain
Dr. Sole Pera
Ernie Covelli

Dept. of Computer Science, College of Engineering,
Boise State University

Location

City Center Plaza (CCP), Room 242,
777 W. Main Street, Boise

Breakfast, lunch and parking will be provided.

Registration Deadline: Thursday, July 20, 2017

Enrollment limited to 25 participants.

High School Student Registration Cost: \$100

High School teachers registration and professional development costs are covered.

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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