

THE BEAUTY & JOY OF COMPUTING IN WYOMING

Call for Participation



In AY 2016-17 The College Board will launch an Advanced Placement Program[®] called Computer Science Principles. We are seeking teachers from Wyoming and surrounding states willing to participate in an educational research project that will adapt and launch an innovative preparatory course for the exam. Participants will teach the course on an exploratory basis. Training will be provided to participating teachers.



Science



Technology



Engineering



Mathematics

Background

The course will help prepare students for *STEM* majors, most of which assume prerequisite knowledge of basic programming and introductory computer science, fluency with digital technologies, and the ability to effectively identify and analyze information. Students taking this course will also learn to appreciate the value of collaborative problem solving.

Goals

The research goal is to adapt for high school students the highly regarded *The Beauty and Joy of Computing* course taught at UC Berkley. The course attracts a wide variety of students; there are currently more women than men enrolled in the course. We will focus on how best to prepare teachers to provide the curriculum and guide students to be successful on the AP[®] exam. We will also develop training for *Snap!* the easy to use graphical programming language designed for the course.



Training

The training will consist of 8 or, optionally, 12 days, in July.

When

Summer 2016, 2017, or 2018.

Where

UW Campus

Financial Support

Stipend & travel reimbursement provided. 1-3 hours Graduate or PTSTB credit available



Calendar

Summer 2016

July 11-14, 18-21 Intro to Snap!
July 25-28 Teacher training

Summer 2017

July 10-13, 17-20 Intro to Snap!
July 24-27 Teacher training

Summer 2018

July 9-12, 16-19 Intro to Snap!
July 23-26 Teacher training



To become a participant, fill out the online application form at [bjc-wy blog](#)

There will also be frequent project updates on the blog.

Further Information

AP Computer Science Principles

<https://advancesinap.collegeboard.org/stem/computer-science-principles>

The Beauty and Joy of Computing

<http://bjc.berkeley.edu/>

The Research Team

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