



**SUMMER
SPRINGBOARD**
Look Inward. Go Upward.

Middle School Computer Science Infosheet

New student admissions for
Summer 2024 are open.



Program Highlights

- Identify similarities between different types of computers (e.g., personal computers, tablets, phones, microcontrollers, etc)
- Apply fundamental programming concepts (variables, loops, conditionals and functions) in p5js, an open source JavaScript creative library with a focus on making coding accessible.
- Apply problem-solving techniques to test and debug their code.
- Communicate algorithmic design choices
- Use cooperative coding techniques to solve problems collaboratively."



2024 Dates

UC Berkeley

- Session 3: July 21 - July 26
- Session 4: July 28 - Aug 2



Academic Program Overview

This program is a jam-packed week for middle school students interested in computer programming and developing foundational coding skills. They will get real hands-on experience and a comprehensive understanding of the topics. Students will apply fundamental building blocks of programming languages including, variables/arrays, conditionals, loops, and functions to solve problems and create algorithms.



Excursions

Students will have the opportunity to engage with highly accomplished specialists in this field. Hands-on learning is experienced through excursions in and around the incredible Silicon Valley. Outside of course specific studies the students will explore all the Bay Area has to offer, such as the Exploratorium or the Chabot Space & Science Center, home to the NASA Ames Visitor Center! With so much rich history, breathtaking sights, parks and famed landmarks at our fingertips there is something for everyone to discover!

Instructors

Travis Taylor

Travis Taylor is a coding educator with over 10 years of programming experience as a Data Scientist and 5 years of teaching experience at Northwestern University and Design Students League. To learn more, [click here](#).

Tuition Information:

Residential Students:

- Includes: all meals, lodging, excursions, Academic Course, and evening activities
- Excludes: optional airport pickup and drop off service (available for an additional fee)
- Price: \$2,898

Commuter Students:

- Includes: lunch, academic course, excursions, programming from 9am to 6pm on Monday-Thursday and 9am to 2:30pm on Friday
- Excludes: lodging, breakfast, dinner, and evening activities
- Price: \$1,498

Supplements:

- Application fee: \$99 (mandatory, non-refundable)
- Tuition Protection Plan: Allows for cancellation for any reason up until the day of the program. Click [here](#) for more info.

[More info on Airport Transfer](#)

[More info on Unaccompanied Minor Service](#)

[Apply Now!](#)

Summer Springboard programs are not run by our campus partners (with the exception of Cal Poly which is run in partnership with SSB). Universities and their affiliated departments and partners do not control and are not responsible or liable in any manner for any part of the Summer Springboard program.



Course Structure

There are five 3-hour class sessions over the one-week course. During the week, students have class from 9am-12pm, Monday - Friday (program check-out is 2:30 p.m. on Friday). Wednesday afternoon will be dedicated to additional academic time with possible excursions and/or guest speakers.

The Middle School programs operate separately from Summer Springboard high school programs with separate staff, accommodations, classes, and a more structured environment. For students completing grades 6-8.



Typical Schedule

