ALL Students Should Learn CS. ALL Teachers Can Teach CS.
SEASONS OF CS PROGRAM IMPACT

95.4% OF PARTICIPANTS AGREED that attending their Seasons of CS workshop was a useful experience for integrating CS education programs in their school or district.

“The presenters were fantastic, thank you! I look forward to using the slides as they have valuable info for my work with counselors.”

94.1% OF PARTICIPANTS SAID their workshop helped them develop more knowledge about computer science education.

“It was great to spend time learning as both a teacher and a student as a part of this workshop. The presentation team was so helpful and kind. I could feel my abilities being coached over the course of the week.”

93% OF PARTICIPANTS SAID they expect to apply and share information they learned.

92.5% OF PARTICIPANTS SAID their workshop made them feel included in a community of CS educators and advocates.
3 Main Program Goals

1. Build capacity and coaching in statewide systems of support.
2. Facilitate delivery of year-round Professional Learning opportunities for teachers, paraprofessionals, counselors, and administrators.
3. Connect educators with ongoing professional learning communities.

Year-Round Offerings

Autumn, Winter, and Spring 2022-2023: Introductory CS workshops were offered.

Summer 2023: Multiday onboarding workshops introduced CS content, modeled instructional strategies, and focused on equity.

Academic Year 2023-2024: Follow-up professional learning workshops and communities of practice were offered.

“The most helpful aspects of the workshop I attended? Competent instructors + well-built curriculum. Thank you.”
“Overall, my favorite part of this experience was bonding with everyone. I’m new to this group and to CS in general. This experience made the work less intimidating, even if I’m still learning as I go. I appreciate the ability to establish relationships prior to diving into challenging work.”

- Regional Lead

“I enjoyed learning how I can influence students to seek careers that involve Computer Science.”
“I appreciated collaborating with colleagues and other administrators in breakout sessions. Learning to use the equity guide and data dashboard was new to me.”
Regional Distribution: 46 California counties participated

(Workshop Participation by Region)

- Participants were asked to implement CS instruction during the 2024-2025 school year using curriculum and pedagogical strategies provided through their chosen summer workshop.
- This implementation could include integrated lessons, standalone units of instruction, after-school clubs and activities, and/or other creative approaches.
- Participants were assisted throughout the school year with follow-up workshops of just-in-time support where they met virtually after school with their workshop provider to reinforce, reflect, and extend their learning.

NUMBER OF HOURS THAT PARTICIPATING EDUCATORS AGREED TO IMPLEMENT CS

| Grade K-5 Teachers and Paraprofessionals: | 30 hours |
| Grade 6-8 Teachers and Paraprofessionals: | 50 hours |
| *Grade 9-12 Teachers and Paraprofessionals: | 75 hours |

*As a discrete CS course or implemented in an existing math, science, business, career technical education, or other elective course.
2023 SUMMER OF CS WORKSHOPS

The 2023 Summer of CS offerings included virtual, hybrid, and in-person computer science professional learning workshops. These workshops were designed not only to impart standards-based knowledge and skills but also to provide California K-12 educators with the opportunity to connect with their peers.

GRADE K-5 WORKSHOPS INCLUDED

- CS First & CS Fundamentals
- CS First - Rancho Cucamonga
- CS First - San Joaquin
- Elementary 4 CS - Monterey COE
- Elementary 4 CS - Orange COE
- Elementary 4 CS - Redding COE
- Elementary 4 CS - Santa Clara COE
- Elementary 4 CS - Sonoma COE

GRADE 6-12 WORKSHOPS INCLUDED

- Advanced Placement CS A - Riverside
- Advanced Placement CS A - USC
- BOOTSTRAP ALGEBRA - Sacramento
- BOOTSTRAP ALGEBRA - Santa Clara (Hub)
- BOOTSTRAP DATA SCIENCE - Rancho Cucamonga (Hub)
- BOOTSTRAP DATA SCIENCE - Sacramento
- BOOTSTRAP DATA SCIENCE - Tulare
- C-STEM: Algebra with Computing
- Counselors 4 Computing
- CS Awesome
- CS Discoveries - Contra Costa (Hub)
- CS Discoveries - Riverside

“...I appreciated having a well-written curriculum and an amazing staff to guide me through so much challenging content.”
The Summer of CS program was specifically designed to support educators who were new to teaching computer science. Much of the programming was geared towards building foundational knowledge and skills to help educators effectively teach computer science in the classroom.

The expert presenters offered dynamic workshops tailored to all levels, and are skilled at breaking down complex concepts into manageable pieces. Participants left the event with a toolbox of strategies and resources to use to inspire and engage their students.

**TYPE OF PARTICIPANTS**

657 people participated in the 2023 Summer of CS workshops, including:

- 472 teachers
- 84 paraprofessionals
- 7 counselors
- 33 administrators
- 61 educators (positions unknown)

**GRADE BAND DISTRIBUTION**

42 workshops offered: 15 focused on grades K-5, 1 on Counselors, 1 on Administrators, and the remaining 25 focused on grades 6 - 12.

**PARTICIPATION DISTRIBUTION BY GRADE BAND**

- 294 educators (Grades K-5)
  - Approximately 60% of participants attended virtual K - 5th workshops.
  - 363 educators (Grades 6-12)
  - The majority of the 6th - 12th grade workshops were delivered either virtually or hybrid (Hub and Spoke model).

Administrators and Counselors were included in this program so they can provide support with the implementation of CS Education at their schools. Additionally, it is intended that they will prioritize offering CS instruction to a diverse group of students while also prioritizing and adapting this instruction for students who are historically underrepresented in the field of CS.