

Course Overview

The Relay GSE Computer Science Methods 1 course is a professional learning summer intensive for K-12 computer science teachers. Over four days, teachers will develop their unit planning and assessment skills, collaborate with other educators from around the country, and receive feedback from an award-winning computer science educator. The program is completely online, with teachers participating in synchronous online sessions and working independently. Each day lasts approximately 10 hours, and teachers can expect to finish the course with a fully-developed unit and assessment plan. Teachers will complete approximately three hours of asynchronous online coursework prior to the first day.

Core Ideas

The four-day summer intensive will be held from July 29 - August 1, with participating teachers focusing on:

- **Unit Planning:** Utilizing the [Understanding by Design framework](#), teachers will create or refine a unit plan that includes priority standards; prior knowledge; essential questions and enduring understandings; performance tasks; key learning experiences; and objective calendars.
- **Assessment:** As part of the unit planning process, teachers will consider a variety of methods to assess students both formatively and summatively, including rubrics, concept maps, self and peer assessments, and Parsons's Puzzles.

Course Structure (all times are Mountain Standard Time)

Time	Day 1	Day 2	Day 3	Day 4
8:00 - 10:00	Mastery vs. Understanding	Unpacking Standards	Formative Assessments	Key Learning Experiences
10:00 - 12:00	Independent and Small Group Work-Time	Independent and Small Group Work-Time	Independent and Small Group Work-Time	Independent and Small Group Work-Time
12:00 - 2:00	Essential Questions and Enduring Understandings	Summative Assessments	Rubrics	Objective Calendars
2:00 - 4:00	Independent and Small Group Work-Time	Independent and Small Group Work-Time	Independent and Small Group Work-Time	Independent and Small Group Work-Time
4:00 - 6:00	Office Hours	Office Hours	Office Hours	Office Hours

Participating Teachers and Cost

The ideal candidate for the CS Methods 1 course is a teacher with some experience teaching a computer science course. Each teacher who completes the program will earn a certificate of completion. Tuition for the program is \$800 per teacher.

About Relay

Relay's mission is to teach teachers and school leaders to develop in all students the academic skills and strength of character needed to succeed in college and life. We currently offer Master of Arts in Teaching, Alternative Route to Certification, and school leadership professional development programs in 9 states, preparing over 1700 educators each year for successful careers in the classroom or school administration. Additional professional development programs, such as the Relay Computer Science Institute, allow both new and experienced teachers to build new skills and refine their approach.

Interested? To learn more and ask questions, please email Raja Ridgway at CS@relay.edu.