WHY COMPUTER SCIENCE?
Open doors for students

- **CS is the future.** 67% of all new STEM* jobs are in computer science. Computing jobs are growing at twice the national average. And technology skills are increasingly required in fields outside STEM.

- **CS is more than coding.** It develops logical thinking, problem solving, and creativity in students—skills that are critical in ALL subjects.

- **CS education is a priority.** Demand for computer science education is high. 90% of parents say they want their children to learn computer science.

* STEM=Science, Technology, Engineering, Mathematics.

WHAT IS UTEACH CS PRINCIPLES?
A Computer Science Principles course for all students

- **UTeach CS Principles (CSP)** is a complete high school curriculum—designed by University of Texas at Austin computer scientists and experienced high school computer science teachers—that introduces students to the big ideas in the field of computer science through inquiry- and project-based learning approaches.

- **UTeach CSP** is designed to engage students from diverse backgrounds and those who are new to computing. The course has been refined over five years in about 300 classrooms across the country.

- **UTeach CSP** is endorsed by the College Board and prepares students to take the new AP Computer Science Principles exam.

- **UTeach CSP** engages all students in authentic, project-based learning to develop computational thinking through:
  - Collaborative problem solving
  - Creative design of unique solutions
  - Data representation through modeling and simulations
  - Algorithmic reasoning

**Computational Thinking = Critical Thinking + The Power Of Computing**

uteachcs.org
HOW DO I EXPAND COMPUTER SCIENCE AT MY SCHOOL OR DISTRICT?

*Build, develop, connect*

- **Build a computer science program that engages ALL students.** *UTeach CSP* is designed to involve students in thinking about big ideas and prepare them to be successful in advanced computing courses.
  - Intensive five-day professional learning workshops and a six-week online course to prepare teachers to teach the *UTeach CSP* course.
  - Remote micro-workshops to help teachers prepare for each unit before it begins.
  - Personalized email and phone support provided by a teacher with experience implementing the curriculum in high school classrooms.
  - A web-based community of practice that encourages UTeach CS educators nationwide to share resources and suggestions.

- **Develop a corps of computer science teachers.** UTeach—the nationally acclaimed STEM teacher preparation program—provides training and year-round support to teachers with any content background or level of experience who have an interest in teaching computer science.
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  - Provides training and year-round support to teachers with any content background or level of experience who have an interest in teaching computer science.

- **Connect students to CS.** UTeach provides resources and ongoing support to district and school administrators, school counselors, teachers, and parents that enable ALL students to take computer science.
  - Information on the demand for computer science skills and postsecondary and career opportunities.
  - Information sessions, training, and advising materials to help counselors and teachers recruit and support students.
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