

# TEALS Program

Delivered by: 

Building equitable, inclusive computer science programs in high schools



Computer science (CS) skills prepare high school students for in-demand roles and open pathways to economic opportunity. But **only 47% of US high schools teach CS** and disparities in participation are even higher.

TEALS has provided **85,000 students** with access to CS instruction over ten years.

## Partner with AVID & TEALS

TEALS (Technology Education and Literacy in Schools) is a Microsoft Philanthropies program that believes **all** students deserve equitable access to inclusive computer science education, especially students who have been excluded from learning CS because of race, gender, or geography.

We help classroom teachers learn to teach computer science on their own by pairing them with industry volunteers and proven curricula.

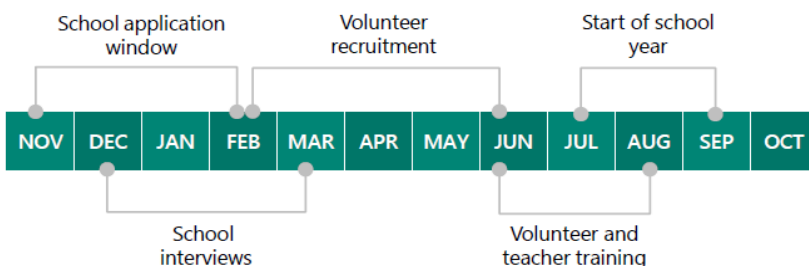
## How TEALS supports your school

TEALS schools have access to:



- A dedicated AVID liaison to support every detail of implementation success year-round
- Rigorous curricula and resources approved by CS educators and industry professionals
- Customized teacher professional development and teaching team (teacher paired with a volunteer) training.
- A volunteer industry expert to mentor teachers and provide instructional support in the classroom

## TEALS Program calendar



Applications are now open for schools for the 2023–2024 school year.

**Spaces are limited.** To request a school application, please reach out to: [cquarterman@avid.org](mailto:cquarterman@avid.org)

## Expertly developed curricula

	Introduction to Computer Science	AP Computer Science Principles	AP Computer Science A	Your AVID Liaison will work closely with schools to understand their priorities, then help them choose the right provider to meet those needs.
Description	A semester or full-year course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment.	A full-year course covering the fundamentals of computing, including creativity, programming, and global impact. All curriculum providers cover the same major areas of study.	A full-year course focused on object-oriented programming and problem solving in Java. Equivalent to a first-semester, college level course in computer science.	
Models Supported	Co-Teach and Lab Support	Lab Support	Co-Teach and Lab Support	
	Introductory Courses		Advanced Courses	CS Topics
Curricula	Code.org: CS Discoveries	Code.org: CS Principles Microsoft MakeCode Mobile CSP	CS Awesome Cyber.org	Polyup Bootstrap

## Choose the model right for you

TEALS Support Model	Co-Teach	Lab Support
Classroom Teacher Background	Is new to CS or course content (two years or less)	Has 2+ years of CS experience or has demonstrated mastery of the majority of CS course content
Classroom Teacher Role	Classroom and teaching team management <ul style="list-style-type: none"> <li>Learning computer science</li> <li>Completing all assignments</li> <li>Leading lessons at capacity</li> </ul>	Classroom and teaching team management <ul style="list-style-type: none"> <li>Leading 80%+ of lessons</li> <li>Continue refining CS understanding</li> </ul>
TEALS Volunteer Role	CS instruction lead <ul style="list-style-type: none"> <li>Professional development for teachers</li> <li>Assist with labs and assignment grading</li> </ul>	Support for teachers as needed <ul style="list-style-type: none"> <li>Lab and grading assistance</li> <li>Provide industry relevance</li> </ul>
# of Volunteers	2-4 total volunteers	1-2 total volunteers
Volunteer classroom coverage	80-100% of class periods	40-60% of class periods

## Achieve self sufficiency

### Co-teach model

### Lab support model

### Educator graduation

