

How can **TEALS** help your school build and grow its **computer science (CS) program**?



Professional Development

from trained technology professionals on a volunteer basis who are partnered with teachers to provide instruction and support.



Curricula and Resources

developed by experienced educators and computer science professionals, designed specifically for high school teachers and students.



A Clear Pathway for Students

to learn computational thinking, problem solving, programming, and computer science concepts that are applicable in whatever field they enter.



A Community for Teachers

to build their CS teaching capacity through ongoing training, instructional resources, and a network of support.

Learn more about the TEALS support model, curricula resources, and apply to be a partner school at: tealsk12.org/schools/

50%

of participating students are more likely to pursue a **computer science career** because of TEALS

Helped 475

high schools build and grow their CS programs since **2009** with more than

2,300

individual volunteers!

37,500

students have learned CS in TEALS classes since **2009**

Microsoft Philanthropies **TEALS**
Computer science in every high school
tealsk12.org

TEALS offers **3** support models

| Goal | Build Help a classroom teacher master computer science content and increase computer science (CS) teaching capacity. Work toward CS program growth. | | Grow Grow computer science program, increase enrollment, improve student engagement, and create new CS sections. |
|---|---|--|---|
| Support Model | #1 Co-Teaching | #2 Lab Support | #3 Classroom Enrichment |
| TEALS Volunteer Role All volunteers have professional or academic CS backgrounds. Their role is to provide CS expertise and support the classroom teacher in learning and/or teaching course content. | Volunteers provide most CS classroom instruction. Provide professional development to teachers. Volunteers also assist with labs and assignment grading. | Volunteers support classroom teacher and students during instruction, lab assistance, and help with grading assignments. | Range from assisting with lab/ assignments/grading 2-4 times a week to consulting visits with the teacher in or out of class, as defined by the classroom teacher, subject to volunteer availability. |
| Teacher Role The classroom teacher is responsible for the students and the classroom management. Teachers coordinate the volunteer team. | Classroom teacher learns CS and gradually leads lessons with support and guidance from volunteers. | Classroom teacher leads 85%+ of in-class lessons and grading. | Classroom teacher leads class 100% of the time and asks for volunteer help when necessary. |
| Teacher Experience with Computer Science All models require teachers to have two years of professional teaching experience. | New to CS (two years or less) | 2+ years of CS experience* or demonstrated mastery of the majority of CS course content | 3+ years with CS experience or demonstrated mastery of CS course content and able to quickly help students debug assignments and projects |
| Teacher Time Commitment | New partner teachers required to attend up to 40 hours. Returning teachers will be required to attend up to 14 hours. | All partner teachers will be required to attend up to 14 hours. | All partner teachers will be required to attend up to 14 hours. |
| Curricula Supported | TEALS-created curricula | TEALS-created curricula, TEALS-approved partner curricula | TEALS created curricula, TEALS-approved partner curricula, approved school created curricula |
| # of Volunteers | 2-4 | 1-2 | 1-2 |
| Individual Volunteer Frequency | 1-2 volunteers/class period, 4-5x/week | 1 volunteer/class period, 2-5x/week | Dependent on teacher needs, range from 1-3x a month or as needed |
| School Cost | Expense reimbursement | | Expense reimbursement |
| Class Meeting Time | Concludes by 9:30am | | Based on teacher need and volunteer availability |

* Teachers may also enter Lab Support only model based on successful completion of a TEALS-approved professional development workshop.