



# Rural and Distance Program



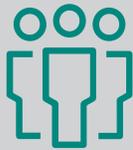
**Professional Development** that comes to you. Trained technology professionals on a volunteer basis who are providing teachers with instruction and support via remote technology.



**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 to build capacity vital to teachers in rural areas with less access to peers in the CS teaching space.

Since its start in a rural town in Kentucky, the Rural and Distance program has grown to reach 90+ schools across the United States through a program built with students from rural areas in mind. This program is designed to bring industry professionals to schools in areas where students do not typically have access to computer science education including those schools in rural areas.

“ The rigorous curriculum, the trained CS professional, and the teacher-facilitator make the remote engagement effective. The classroom is no longer bound by four walls. ”

**Mr. Martinez**  
Clint ISD Early College Academy

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

# TEALS offers **3** support models

Goal	<b>Build</b> Help a classroom teacher master computer science content and increase computer science (CS) teaching capacity. Work toward CS program growth.		<b>Grow</b> 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
<b>TEALS Volunteer Role</b> 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.
<b>Teacher Role</b> 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.
<b>Teacher Experience with Computer Science</b> 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
<b>Teacher Time Commitment</b>	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.
<b>Curricula Supported</b>	TEALS-created curricula	TEALS-created curricula, TEALS-approved partner curricula	TEALS created curricula, TEALS-approved partner curricula, approved school created curricula
<b># of Volunteers</b>	2-4	1-2	1-2
<b>Individual Volunteer Frequency</b>	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
<b>School Cost</b>	Expense reimbursement		Expense reimbursement
<b>Class Meeting Time</b>	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.