



# TEALS: Build Sustainable High School CS Industry Volunteers

Kevin Wang, Founder & Ringleader, TEALS  
t:@KevinKWang. li:KevinKW  
TEALS is supported by Microsoft Philanthropies

Imagine you were told to teach AP French



# TEALS – A True Industry & School Partnership

Industry-wide, grassroots initiative with a proven track record created by engineers and educators

Trained industry volunteers team teach in the classroom with teachers, eventually handing course off

Build and grow sustainable and rigorous CS programs

Started in 2009 with one school, 12 students, and one volunteer. 348 Schools and 1,050 volunteers this year

Supported by Microsoft Philanthropies



# Rural and Distance Program



## Who It Helps

Schools with little or no tech community in proximity

Rural Schools with small classes

Schools outside of an area where tech professionals could commute

## What You'll Need

Sufficient bandwidth for teleconferencing

Summer PD required for classroom teacher

Equipment and software as outlined in detail in TEALS Implementation Guide

# Curriculum

## Introduction to Computer Science

UC Berkeley CS 10  
1 Semester course or full year option w/ Python  
Block programming language  
All grade levels  
UC A-G approval  
Textbook: Blown to Bits

## AP Computer Science A

UW CSE 142/143 course  
Year long course with AP exam in May  
Industry standard Java  
So/Jr/Sr with Algebra II completion  
Textbook: Building Java Programs

## AP Computer Science Principles

Complements (does not replace) AP CS A  
Broad coverage of computing principles, issues, and creative solutions  
Code.org, PLTW, NMSI, and other partner curriculum  
Lab Support or Classroom Enrichment support only.



“If you’re coaching a sport, if you had a major league baseball player coming in to coach your team, that’s really what TEALS is.”

**Mark Kondo**, Teacher  
Quincy High School Quincy, WA

## Next Steps:

Read the Implementation Guide

Applications now open

Connect with TEALS Regional Manager

Is TEALS the right PD model / partner for your school?

Share TEALS information with school and local community

Outreach to local tech organizations & companies to encourage volunteering

Apply at  
[tealsk12.org/schools](https://tealsk12.org/schools)