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

<table>
<thead>
<tr>
<th>Introduction to Computer Science</th>
<th>AP Computer Science A</th>
<th>AP Computer Science Principles</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC Berkeley CS 10</td>
<td>UW CSE 142/143 course</td>
<td>Complements (does not replace)</td>
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<tr>
<td>1 Semester course or full year</td>
<td>Year long course with AP exam in May</td>
<td>AP CS A</td>
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<tr>
<td>option w/ Python</td>
<td>Industry standard Java</td>
<td>Broad coverage of computing</td>
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<tr>
<td>Block programming language</td>
<td>So/Jr/Sr with Algebra II completion</td>
<td>principles, issues, and creative</td>
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<tr>
<td>All grade levels</td>
<td>Textbook: <strong>Blown to Bits</strong></td>
<td>solutions</td>
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<tr>
<td>UC A-G approval</td>
<td></td>
<td>Code.org, PLTW, NMSI, and other</td>
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<tr>
<td>Textbook: <strong>Blown to Bits</strong></td>
<td></td>
<td>partner curriculum</td>
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<tr>
<td></td>
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<td>Lab Support or Classroom</td>
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<td>Enrichment support only.</td>
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</table>
“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