# APCS Principles Pilot PD

## Overview

<table>
<thead>
<tr>
<th>About:</th>
<th>PD for APCS Principles Pilot Instructors</th>
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<tbody>
<tr>
<td>PI/Leader:</td>
<td>Owen Astrachan, Lien Diaz, Amy Briggs, Brook Osborne</td>
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<td>Location:</td>
<td>Las Vegas (initially), then ongoing</td>
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## Teachers Served

<table>
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<tr>
<th>Served:</th>
<th>40-50</th>
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<tr>
<td>Dosage:</td>
<td>20-40</td>
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<tr>
<td>Grade(s):</td>
<td>9-12</td>
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<td>Characteristics</td>
<td>In service</td>
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## Program Budget

<table>
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<tr>
<th>Sources:</th>
<th>NSF and College Board</th>
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<tr>
<td>Budget:</td>
<td>TBD</td>
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Learning Goals

• Apply student-centered learning concepts in teaching an APCS Principles Course
• Develop teaching plans and formative assessments that facilitate good student work on performance tasks for a portfolio assessment
• Create and adapt activities that address the Big Ideas and Computational Thinking Practices of APCS Principles
• Understand how to create summative assessments for non-traditional material
PD Structure

• Format:
  – Initial two-day meeting of all piloters
  – Follow up with an annual meeting
  – Regular small and medium web/hangouts
  – Communication and monitoring using CoP
  – Considering a structure where experienced piloters have a mentoring role

• APCS Leadership Team:
  – Owen Astrachan, Amy Briggs, Lien Diaz, Brook Osborne

• Participants:
  – APCS Principles Pilot Instructors
Successes and Challenges

• This year we have had good success developing a community of teachers who are open and trusting of one another

• We don't have enough time to get at PCK and content

• We're trying to find common ground between several APCSP CE21 groups
Measures of Success

- Teachers indicate that the student-centered APCS Principles approach resonates
- Engagement on the CoP (Community of Practice)
- Teachers contribute content that is rich in content, facilitates discussion, uses CS Principles ideals
- Teachers’ comfort and confidence with CSP material
- Pilot teachers demonstrate comfort and trust with one another through active discussion and collaboration.
We are working to understand the connection and when possible align our PD and PD-like initiatives with all the Computer Science Principles efforts that are underway.

We are working to facilitate the ongoing development of PD by these groups and by all those engaged in CS Principles.