



Welcome to our Family!

**Code.org Professional Development
2015-2016**



Code.org
1301 5th Ave, Suite 1225
Seattle, WA 98101
pd@code.org

Dear Educator,

Congratulations! You are now part of Code.org's family of teachers working across the United States to bring computer science courses to our public schools. As the founder of a young and relatively small organization, I've been humbled by the passion of educators such as yourself, taking the first step to bring computer science to your students and to open a world of opportunity for them. We look forward to working with you toward successful completion of our professional development program.

You have registered for the pilot year of Code.org's Computer Science Principles (CSP) curriculum and professional development, modeled on the AP Computer Science Principles Curriculum Framework. The curriculum and professional development focus on introductory, yet rigorous, Computer Science fundamentals. Lessons are designed to engage students with inquiry-based and concept-discovery activities.

It is important that you read and understand the Code.org Welcome Kit contents as it gives you some key details about our program and policies that you can reference as you go through the roughly 15 months of professional development.

Please browse our website code.org/educate and review details specific to your workshop location at code.org/pd. If at any point throughout your professional development experience you have a question, please let us know by emailing pd@code.org.

Sincerely,

Hadi Partovi
Co-founder, CEO
Code.org

Code.org is a 501(c)3 non-profit dedicated to expanding participation in computer science education by making it available in more schools, and increasing participation by women and underrepresented students of color. The Code.org vision is that every student in every school should have the opportunity to learn computer programming.

The Code.org Professional Development Philosophy

Who is Code.org's Professional Development (PD) built for?

The Code.org CS Principles (CSP) PD program supports teachers with diverse teaching backgrounds. Whether you are new to teaching CS or you have CS teaching experience outside this course, the PD program is designed to promote growth in your teaching practice, providing space for teachers to become comfortable with the curricular materials and associated teaching strategies.

Program Features that open the door for growth:

- **One cohesive set of resources:** Code.org provides PD and curriculum that flow seamlessly together, empowering teachers to deliver the course with confidence. Since the PD program lives both in-person and online, the program supports participants throughout their first year of teaching CSP with PD that is “job embedded.”
- **Teaching and Learning in Context:** Our PD model enables participants to engage with the curriculum both as teachers *and* as learners. Through experiencing curriculum content as an active learner, participants gain important insight into the experiences their students will have during the academic year. Additionally, by interacting with curriculum content as instructors, participants gain essential experience planning and delivering lessons.
- **A collaborative, participant-centric approach:** Workshops and activities encourage participants and facilitators to share their expertise from the field and collaborate on strategies to bring to CSP. Our PD program provides an opportunity to learn from everyone in the room. Facilitators model behavior and pedagogical approaches, and participants share their own approaches by planning and delivering lessons. Rather than framing facilitators as gurus, these workshop leaders guide participants through the course preparation process.

For a full rundown of the Code.org PD philosophy, visit code.org/educate/professional-development-philosophy.

Program Commitments

- **Phase 1: Online Introduction**
 - 2 hours online, self-paced
- **Phase 2: Blended Summer Study**
 - 5 days (30 hours) in person
 - 8 hours online, self-paced
- **Phase 3: Academic Year Development**
 - 4 days (24 hours) in person, meeting one day per quarter
 - 12 hours online, self-paced
- **Phase 4: Summer Wrap-up**
 - 3 days (18 hours) in person

Overview of PD Phases

The Code.org CSP professional development is broken into four phases. These phases are designed to support teachers throughout their first year of teaching CSP.

	Phase 1: Online Intro	Phase 2: Blended Summer Study	Phase 3: Academic Year Development	Phase 4: Summer Wrap-up	
May 2015					August 2016
In-person PD	None	5 days	4 Saturdays	3 days	
Online PD	2 hours	8 hours	12 hours	None	

Phase 1: Online Introduction

May 2015

Overview: The first phase of professional development is a two-hour online introduction that focuses on providing a foundational knowledge of the Code.org program and CSP course resources. It creates a space for participants to become familiar with the curriculum, the platform, and the tools that will be used in the course.

Takeaways:

- I have created my **teacher account**.
- I know what CSP is, specifically **Code.org's CSP course**.
- I am **familiar with the Code.org tools**.
- I am **excited** to go to Phase 2!

Phase 2: Blended Summer Study

June 2015
—
August 2015

Overview: The second phase of professional development is a blended in-person and follow-up online experience.

- **In-person workshop:** This 5-day workshop is the primary capacity building experience for teachers prior to their first year of instruction. Participants will explore curriculum, tools, classroom management, and teaching strategies. You will dive into the College Board requirements that come with an AP course and build a local community of teachers who are using this curriculum. Spending practical time working with the curriculum, you will develop an understanding of how to effectively use of the materials and pedagogical strategies that are part of any strong computer science classroom.
- **Online follow-up:** This 8-hour online experience provides space to plan the beginning of the academic year. Teachers will dive deeper into the curriculum, experiencing tools and widgets that students will use in the class. Additionally, this online piece introduces an opportunity to build a collaborative professional online learning community— an important teacher tool during the first-year of teaching this course.

Takeaways:

- I know where to find **resources and supports** I need to teach this class.
- I understand the **AP pieces of the course** and feel that I will be able to help my students with them.
- I am part of a **professional learning community** of teachers.
- I know how to use the **tools** in order to figure out what I don't already know how to do.
- I am **learning** how to teach CS in a way that **broadens participation**.
- I am **confident** I can teach this course. My students and I can learn this content together... and it will be ok.
- I **understand the educational philosophy** behind the tools and curriculum that make up this CSP course.
- I have thought about and discussed the **things to look out for** in the CS classroom (equity issues, etc).
- I have thought about and discussed **how the Code.org materials will work in the classroom** and am ready for the first week.

Phase 3:
Academic
Year
Development
September 2015
—
June 2016

Overview: The third phase of professional development is composed of blended ongoing quarterly in-person meetings and monthly online activities.

- **In-person quarterly workshops:** These quarterly meetings will continue to build pedagogical strategies and explore the essential elements of this course. You will participate in activities such as using the AP performance tasks in your course, teaching new content, and keeping the classroom environment equitable and engaging for all students.
- **Online monthly activities:** These online activities are focused on building the online professional learning community. They provide continued support with tools, content, and helpful resources allowing further exploration of the curriculum.

Takeaways:

- My **professional learning community** is a good place for me to turn for support, both in and out of PD.
- I have a better idea of the curriculum, because I've had a chance to **explore it more deeply** with my professional learning community.
- I have even more ideas about leading an **engaging and equitable** CSP classroom.
- I have **ideas for recruiting diverse students** for next year.

Phase 4:
Summer
Wrap Up
June 2016 —
August 2016

Overview: The fourth phase of professional development is an in-person workshop focused on diving deeper into content and material that was difficult to teach the first time. The fourth phase addresses curricular materials with an eye for teaching *and* learning in context. Teachers will reflect on what success looks like in an AP course and how to recruit diverse groups of students. The workshop will empower teachers to take ownership of the curriculum by making adjustments and changes in order to meet the needs of each classroom.

Takeaways:

- I **look forward to teaching** the course again based on my reflection of the past year.
- I am comfortable with all of the **AP assessments** in the course, and can support my students through them.
- I am more comfortable with the **material that I struggled with** the first time teaching this course.
- I understand **how to make changes** to the Code.org curriculum in order to meet my local needs and fit into my context.

CSP Curriculum

Code.org's CS Principles course is designed to be a full-year, rigorous, but entry-level course for high school students. The curriculum is also written to support teachers new to the discipline with inquiry-based activities, videos, assessment support, and computing tools that have built-in tutorials and student pacing guides. It becomes an official AP® course in the 2016-17 school year.

Visit code.org/csp-curriculum-overview for the CSP Curriculum Overview

Code.org Attendance Policy

Districts are required to select teachers who will be teaching the course in the Fall, that are able to attend all days of professional development (15 months), and teachers must commit to attending all days of professional development (PD) when joining a Code.org cohort.

1. Teachers will only receive stipends for the hours that they attend the professional development.
2. Arriving/leaving over 30 minutes late/early will count as a full day absence if not approved by Code.org prior to the workshop.
3. Teacher must complete phase 1 PD prior to the start of phase 2 PD to continue to be part of the program and will not receive his/her phase 2 PD stipend until phase 1 PD is completed.
4. Teacher must attend the full 5 days of phase 2 PD to continue to be part of the program.
5. Teacher must be teaching computer science to a minimum of 1 section of students when the school year begins to continue to receive their stipend.
6. Teacher must attend all 4 days of Saturday in-person workshops (these happen during the school year) and all 3 days of Phase 4 PD.

If you have a schedule conflict email pd@code.org and notify your district contact as soon as possible.

Exceptions to this policy include districts where Saturday workshop participation is voluntary per union regulations.

Communications

Who will PD e-mails come from?

You can expect emails from pd@code.org providing workshop and online activity information, surveys to help us improve PD as well as monthly newsletters.

Who do I contact with questions?

For any questions please contact pd@code.org. You can expect a response within 48 hours during our business hours (Monday- Friday 9am - 5pm PST).

Frequently Asked Questions

Will Code.org reimburse me for parking fees?	No, Code.org does not cover parking expenses and encourages participants to use public transit options in their city.								
What if I am no longer teaching the course in the Fall, can I still attend PD?	Our general rule is you will not go through PD with a stipend unless you are teaching, but please contact your district to discuss further.								
What are the technical requirements to teach the class?	<p>Computer lab with 1:1 computers setup in such a way that group work is possible OR an additional non computer classroom that teacher can use for group work.</p> <p>We support the following combinations of operating systems and browsers:</p> <table> <tr> <td>Chrome 33.x and higher</td><td> - XP & Windows 7 and higher - Mac OS 10.6 and higher - Android 4.1.2 and higher </td></tr> <tr> <td>Safari 7.0.x and higher</td><td> - Mac OS 10.6 and higher - iOS 7.x and higher </td></tr> <tr> <td>Internet Explorer 9, 10, 11</td><td> - Windows 7 and higher - Mac OS 10.6 and higher </td></tr> <tr> <td>Firefox 25.x and higher</td><td>- Windows 7 and higher</td></tr> </table>	Chrome 33.x and higher	- XP & Windows 7 and higher - Mac OS 10.6 and higher - Android 4.1.2 and higher	Safari 7.0.x and higher	- Mac OS 10.6 and higher - iOS 7.x and higher	Internet Explorer 9, 10, 11	- Windows 7 and higher - Mac OS 10.6 and higher	Firefox 25.x and higher	- Windows 7 and higher
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Can we call CSP an AP Class in the 2015-2016 school year?	This is the pilot year for the AP CSP course and no AP exam will be offered to students. Therefore, "AP" should not be included in the name or description in the '15-'16 school year.								

Helpful Links

Code.org's Computer Science Principles Homepage: code.org/educate/csp

Professional Development Philosophy: code.org/educate/professional-development-philosophy

Curriculum Overview: code.org/csp-curriculum-overview

Do you know a K-5 teacher?

Invite them to attend Code.org's free Professional Development for elementary school teachers!

★★★★★ **Thousands of teachers have participated. They rate our workshops 4.8 on a 5 point scale. The majority say, "It's the best professional development I've ever attended."**



"I can't think of anything that would improve this workshop. The workshop facilitator was very professional. This is by far the BEST workshop I've ever attended!"



"This will totally change my curriculum. I love how the lessons are prepared and aligned to the Common Core and Next Generation Science Standards."

High-quality workshops, free of charge

Code.org is hosting no-cost, one-day workshops for K-5 educators interested in teaching computer science. Workshops will cover courses one, two, and three, and offer supplies needed to teach the courses.



For details, visit [Code.org/K5](https://code.org/K5) or send them this [one-pager](#).