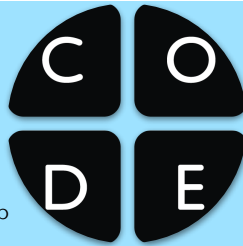# ITI INSTRUCTIONAL TECHNOLOGY INITIATIVE

Computer Science (CS) Professional Learning Catalog Spring 2018

Summer Cohorts CODE.org and ECS
(grades 6-12)

Educators will explore University of California approved courses. Cohorts consists of a 5-day intensive followed by 4 quarterly follow up sessions during the 2018-2019 school year.

Advanced Placement Computer Science Principles (APCSP)
High School Cohort
APCSP Session #1
June 11 - 15, 2018
8:00 am - 3:00 pm

Computer Science Discoveries (CSD)
Middle School Cohort
CSD Session #1
June 11 - 15, 2018
8:00 am - 3:00 pm

Computer Science Discoveries (CSD)
Middle School Cohort
CSD Session #2
June 25 - 29, 2018
8:00 am - 3:00 pm

Exploring Computer Science (ECS)
High School Cohort
ECS Session #1
**June 25 - 29, 2018**
8:00 am - 3:00 pm

CS for Experienced Educators

Participants will share best practices, collaborate with neighboring schools, build articulations and learn all things CS4LAUSD. This session is for teachers with at least one semester experience facilitating APCSA, APCSP, ECS, CSD, or ICT courses.

CS Experienced Educators Session #1
May 12, 2018
8:00 am - 12:30 pm

C-STEM Physical Computing
(grades 5-12)

In this 2-day cohort, educators will explore University of California approved STEAM + C physical computing course engaging in hands on activities with the Linkbot robot. Materials will be provided.
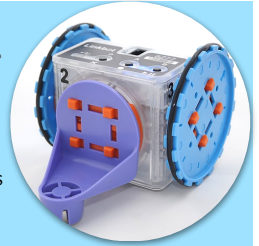
C-Stem Session #1
March 12 - 13, 2018
8:00 am - 3:00 pm

C-Stem Session #2
**April 12 - 13, 2018**
8:00 am - 3:00 pm

C-STEM Intensive Algebra 1 + Computing
(grades 8-10)

In this 2-day cohort, educators will explore Computing with Algebra +C which is a University of California approved "C" credit course. Participants will engage in hands on activities with the Linkbot robot. Materials will be provided.

ALG1 + C Session #1
June 18 - 22, 2018
8:00 am - 3:00 pm

Learning through Robotics
(grades PK-12)

One day intensive invites educators to explore computational thinking through Vex, EV3, Edison, MBot, Sphero, Makey Makey, and Osmo physical computing devices. Materials will be provided.
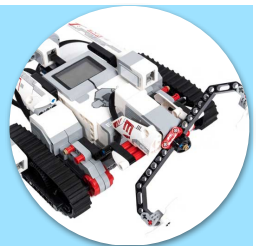
Robotics Session #1
May 19, 2018
8:00 am - 12:30 pm

Participants will be paid the District sponsored training rate of $25 per hour.
Register on MyPLN (Keywords: **code, scratch, computer science, robotics, steam+c**)
Please contact Allison Jonas at (213) 465-6843 or allison.jonas@lausd.net with questions.
For more information on the professional learning sessions, visit http://www.lausd.net/cse.

Approved by:
Sophia Mendoza,
Director

ITI INSTRUCTIONAL TECHNOLOGY INITIATIVE

CSE
LAUSD | INSTRUCTIONAL TECHNOLOGY INITIATIVE
COMPUTER SCIENCE EDUCATION

Navigating Computer Science Education (CSE)

Educators, teacher leaders, counselors, parents, librarians, and administrators are invited to explore the vision for computer science education. Explore possible solutions for your school site, learn about upcoming professional learning sessions, and review current standards.

Navigating CSE Session #1
February 14, 2018
4:00 pm - 6:00 pm

Navigating CSE Session #2
February 21, 2018
4:00 pm - 6:00 pm

Navigating CSE Session #3
February 28, 2018
4:00 pm - 6:00 pm

Computer Science Fundamentals (CSF)
(grades PK-6)

Educators will engage in a hands-on introduction to computer science, pedagogy, teacher dashboard, and strategies for teaching "unplugged" classroom activities.
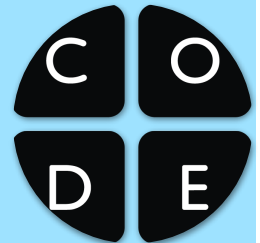
CSF sessions are ongoing. Reserve an upcoming Saturday for your school through MyPLN. Sponsored by Code.org

Creative Computing
(grades PK-12)

Introduce your students to creative computing by learning foundations of Scratch programming software. Explore ways of leveraging Scratch for an interdisciplinary approach.

Wonder Workshop (WW)
(grades PK-5)

Educators learn the foundations of computer science while engaging in physical computing with a Dash robot in this 1-day hands-on session. Materials will be provided.

WW Session #1	**WW Session #2**
March 21, 2018	March 22, 2018
8:00 am - 3:00 pm	8:00 am - 3:00 pm
WW Session #3	**WW Session #4**
May 2, 2018	May 3, 2018
8:00 am - 3:00 pm	8:00 am - 3:00 pm

Course 1: An Introduction to Scratch Beginner (Beg)	**Course 2:** Integrating Scratch - An Interdisciplinary Approach Advanced (Adv)
Scratch Beg Session #1 March 19, 2018 8:00 am - 3:00 pm	**Scratch Adv Session #1** April 23, 2018 8:00 am - 3:00 pm
Scratch Beg Session #2 April 9, 2018 8:00 am - 3:00 pm	**Scratch Adv Session #2** April 30, 2018 8:00 am - 3:00 pm
Scratch Beg Session #3 April 16, 2018 8:00 am - 3:00 pm	**Scratch Adv Session #3** May 14, 2018 8:00 am - 3:00 pm

Participants will be paid the District sponsored training rate of $25 per hour
Register on MyPLN (Keywords: **code, scratch, computer science, robotics, steam+c**)
Please contact Allison Jonas at (213) 465-6843 or allison.jonas@lausd.net with questions.
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Sophia Mendoza, Director