UC Davis Center for Integrated Computing and STEM Education (C-STEM)
Transforming Math and CS Education with Coding and Robotics

"I like how I can use the curriculum to integrate coding and hands on math to bring math alive for the students...Fun, exciting, and lots of opportunities for kids to learn from their mistakes."

Catherine Ouellette, Kindergarten Teacher
Hacienda La Puente USD

"The distance learning is really working, I feel like I'm in the UC Davis classroom. I was really surprised at how well and smoothly it went."

Linda Dewberry, Computer Science Teacher
Sheldon High School, Elk Grove USD, CA

Resources
All teachers who attend a summer professional development will have FREE access to the RoboBlockly K-12 Mathematics with Robotics prime curriculum, CS/STEAM with Robotics prime curriculum, and teaching resources through June 30, 2022.

Life Skills
Personalized, collaborative learning, and teamwork build students’ confidence in learning by developing their abilities to think critically through real-world problem solving.

Career and College Ready
The rigorous curriculum teaches students real-world problem solving using the most widely used programming language and maker technology in colleges and industry for the integrated learning of math with computational thinking, science, engineering, and art.

Summer Professional Development for K-12 Teachers
Register soon to reserve your space: https://c-stem.ucdavis.edu/pd

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<thead>
<tr>
<th>Summer Boot Camp</th>
<th>May 17-21, 2021</th>
<th>5 Interactive 2.5-Hour Online Sessions</th>
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<tbody>
<tr>
<td>For K-12 Teachers</td>
<td>2:30 pm – 5:00 pm PST</td>
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<tr>
<th>Summer Institute</th>
<th>June 14 – June 18, 2021</th>
<th>10 Interactive 4-Hour Online Sessions</th>
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<tr>
<td>For K-12 Teachers</td>
<td>June 21 – June 25, 2021</td>
<td>1:00 pm – 5:00 pm PST</td>
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<tr>
<th>Summer Academy</th>
<th>June 28 – July 2, 2021</th>
<th>5 Interactive 3.5-Hour Online Sessions</th>
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<td>For K-6 Teachers</td>
<td>8:30 am – 12:00 pm PST</td>
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<tr>
<th>Summer Workshop*</th>
<th>July 19 - 23, 2021</th>
<th>5 Interactive 4-Hour Online Sessions</th>
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<tr>
<td>For K-12 Teachers</td>
<td>1:00 pm - 5:00 pm PST</td>
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*If you have no prior computer programming experience, we recommend that you attend the C-STEM Summer Institute before attending this workshop.

UC Davis C-STEM Center
As school districts are preparing to open schools with an extended summer program, the UC Davis C-STEM K-12 Math-ICT Curriculum with hands-on coding and robotics can help address learning loss in math due to the pandemic. The C-STEM Center will provide comprehensive professional development for STEM teachers to deliver summer and fall math programs with Math-ICT curricula from kindergarten to 12th grade. The curriculum provides for deeper learning through robotics projects and challenges and the solution of real-world problems using math concepts, and at the same time provides students with recreational and collaborative teamwork opportunities.

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