https://c-stem.ucdavis.edu/teachers-administrators/program-support

Benefits of C-STEM School Annual Subscription

When subscribing as a C-STEM school, you become a true partner in working with the entire C- STEM Team and Community with integrated computing and STEM education. The C-STEM Math-ICT curriculum provides K-12 students with up to 13 years of integrated math education, with hands-on computing, robotics, and making. The rigorous C-STEM program integrates innovative technology and pedagogy to help close the math achievement gap and provide all students with the skills needed to succeed in college and industry.

Your subscription includes the following benefits for an unlimited number of teachers, students, courses, and sections at your site in both the academic year and for summer programs:

C-STEM Program:

- Fully participate in C-STEM, which is a UC-Approved Educational Preparation Program for Undergraduate Admission for both K-12 and Community College students to all UC campuses

- As a UC-approved Educational Preparation Program, the following activities are recognized in the UC admissions process as achievements that have explicitly prepared students for college and careers: participation in the C-STEM program, C-STEM student awards, and C-STEM extracurricular activities.

- The C-STEM program has UCOP A-G Program Status, and subscribed schools are fully supported to teach all C-STEM A-G compliant high school curriculum for UC/CSU admission.

- Outstanding C-STEM teachers, administrators, and schools will be recognized with award certificates for their pioneering work on integrated computing and STEM education from UC Davis, the California Department of Education, and the California State Legislature at the C-STEM Conference.

- Students are eligible for C-STEM awards and scholarships.

Curriculum:

- Access to textbook-based C-STEM curriculum, including solutions to exercises in C-STEM textbooks, lesson plans, PowerPoint slides, video lessons, group computing activities, group robotics activities, and assessment tools for an unlimited number of teachers, students, courses, and sessions in both academic year and summer programs.
- Teachers receive annually updated C-STEM curricular resources.
- Teachers have access to the C-STEM teacher discussion board with additional projects and activities.
- Access to the complete PDF file of the textbook *"Learning Physical Computing with Arduino for the Absolute Beginner" chap.1-8* and related physical computing curriculum resources.
- Access to the complete PDF file of the textbook *"Learning Physical Computing with Arduino for the Absolute Beginner"* and related physical computing curriculum resources.

Curriculum (cont.):

- Access to C-STEM 3D modeling and 3D printing curriculum using robots in PDF files, and CAD source files for Autodesk Inventor and SolidWorks.
- Access to the curriculum resources that accompany the freely available PDF version of the textbook "*Learning Computer Programming with Ch for the Absolute Beginner*" for more effective learning.
- Access to the curriculum resources that accompany the freely available PDF version of the textbook "*Robot Programming with Linkbot for the Absolute Beginner*" for more effective learning.

Purchasing and Discounts on Curriculum and Software:

- Ability to purchase a single hard copy of all C-STEM textbooks at low cost.
- Ability to purchase hard copies of class sets of all C-STEM textbooks at low cost.

Professional Development:

- Tailored on-site professional development available with innovative teaching strategies through C-STEM Center and its Affiliates at low cost.
- Participate in exclusive professional development not available to the public.

Supplementary Computer Science Teaching Credential and C-STEM Certification:

- Teachers who complete four or five C-STEM courses will be able to get Supplementary Computer Science Teaching Credential with Introductory Authorization or Specific Authorization.
- Teachers participating in C-STEM Center organized PD and use C-STEM Curriculum in their teaching can be certified as UC Davis C-STEM Certified Educator.
- District administrators have access to support in applying for CTC CSS Authorization Incentive Grant

C-STEM School/District Status & C-STEM Distinguished School/District Award

- Schools/Districts are eligible to apply for C-STEM School/District status.
- Schools/Districts that meet required criteria are eligible to apply for C-STEM Distinguished School/District Award.
- Schools/Districts that are selected for Distinguished C-STEM status will be awarded C-STEM Distinguished School/District status and banner.

RoboPlay Challenge Competition Support:

- Support and guidance in organizing school-wide or district-wide RoboPlay Challenge Competition
- Access to RoboPlay Challenge questions and solutions for the competition
- Recognition on C-STEM RoboPlay Challenge webpage

Partnership Support and Collaboration:

- K12 C-STEM teachers/administrators have access to support and consultation on school/district required reports pertaining to C-STEM.
- Schools/Districts have opportunities to collaborate with UCD on grant applications and projects.
- Partnership and support on applying for recognitions on C-STEM related work (e.g. Golden Bell Award)

Curriculum & IT Support:

- Access to MSI files for C-STEM Curriculum for Windows for remote and batch installation for classroom lab and student computers.
- Technical support for IT staff via email or on-line in Zoom
- Technical and educational support for teachers via email or on-line in Zoom