

<http://c-stem.ucdavis.edu/teachers-administrators/program-support/>

Benefits of C-STEM School Annual Subscription

Subscribing as a C-STEM school, you become a true partner in working with the entire C-STEM team and community on 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. Subscription includes the following benefits for an unlimited number of teachers, students, courses, and sections in both the academic year and 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.
- C-STEM program has [UCOP A-G program status](#), subscribed schools are allowed to teach all C-STEM A-G pre-approved 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 C-STEM Conference.
- Students are eligible for C-STEM awards and scholarships which count towards their UC admission.
- Students have a higher priority to participate in the annual level playing field RoboPlay Challenge Competitions. Participating students compete for awards that count towards UC admission.

Curriculum:

- Access to *all* formal 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 have full use of the RoboBlockly Activity Portal to access, create, share and edit (robotics, coding, math, science, and art) activities and their solutions in collaboration with other C-STEM teachers.
- Teachers have full use of the RoboBlockly Activity Portal Class Management to manage student access, homework assignment and project, grading homework and projects with teacher comments, statistical analysis for each homework and class. Students can sign-in to complete activities, curriculum activities, user input, and new program.

- Teachers receive annually updated C-STEM curricular resources.
- Teachers have access to solution videos of the previous years' RoboPlay Challenge Competitions and 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*" 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.
- Access to the complete PDF file of the textbook "*Robot Programming with Lego Mindstorms for the Absolute Beginner*" and related robotics curriculum.
- 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, Software, and Hardware:

- 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.
- Ability to purchase Linkbot, Arduino, Raspberry Pi and Ch software from our industrial partners with discount.

Professional Development:

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

Support:

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