

**C-STEM
PARTICIPATION AGREEMENT**
(Alvord Unified School District)

This participation agreement (“Agreement”) is by and between THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (“University”) on behalf of its UC Davis Center for Integrated Computing and STEM Education (“C-STEM or The C-STEM Center”), and ALVORD UNIFIED SCHOOL DISTRICT “District”, collectively, the “parties”.

WITNESSETH:

WHEREAS, The C-STEM Center has established a comprehensive program and curricula for computing and STEM education (the “C-STEM Program”) and supports a network of school districts, colleges, universities, and private sector collaborators (the "C-STEM Network"); and

WHEREAS, District desires to implement the C-STEM Program in order to provide its students specialized training in science, technology, engineering, and mathematics (STEM) subjects, which consists of various curricular programs (the “C-STEM Curricular Program(s)"); and

WHEREAS, District shall have access to all C-STEM Program curricula and annual updates as well as access to the C-STEM electronic communication network, online systematic assessment and evaluation, online on-going training, online program support and additional benefits; and

WHEREAS, the parties desire to work together to maximize the benefit of the C-STEM Program to students by maintaining the quality standards and practices necessary to ensure the efficient and effective delivery of the C-STEM Program.

NOW, THEREFORE, the parties agree as follows:

1. Purpose. The purpose of this Agreement is to provide District with access to the C-STEM Curricular Program according to the following terms and conditions.
2. Term. The term of this Agreement shall begin as of the date last signed below continuing through July 31, 2022.
3. Application and Information. District’s application forms showing participating schools, contact information and dollar amounts are attached as Exhibit A and are by this reference made a part hereof. District represents that the information contained in the application remains accurate as of the date of this Agreement. In the event that District elects to have additional schools or sites added, or elects to make other material changes such as adding additional C-STEM Curricular Programs, District must first complete the necessary data entry and/or information reasonably required by the C-STEM Center, followed by an amendment signed by the parties.
4. C-STEM Requirements for Implementation. District agrees to implement the C-STEM Program according to the program and implementation requirements established by the C-STEM Center (“C-STEM Program Requirements” or “Program Requirements” attached hereto as Exhibit

B and made a part hereof), which shall include, but not be limited to, Program Requirements governing participation fees, sequencing, courses, training, certification or maintenance of program standards, and other aspects of a successful implementation of the C-STEM Program and C-STEM courses by participating entities. Program Requirements are available on the C-STEM Center website and may be modified from time to time by the C-STEM Center in its sole discretion. Should participation fees be modified, C-STEM will give District thirty (30) days' notice of such modification before such fee will be imposed on District.

5. C-STEM Curricular Program. District agrees to follow the C-STEM curricula and to meet C-STEM quality standards and practices including any concurrent student course requirements as reasonably established by the C-STEM Center for students to be successful in the C-STEM Program. C-STEM Elementary School, Middle School and High School Curricular Programs, including concepts and objectives, must be taught in its entirety without interruption or any unauthorized modification. The C-STEM Supplementary Implementation Curricular Program allows schools more flexibility in implementation but has added restrictions which prevents schools from classifying themselves as a C-STEM School or classifying the course as a C-STEM A- G course. Additional information is found in the Program Requirements.

6. C-STEM Software. The C-STEM curricula are supported by proprietary C-STEM software including electronic documents and programs that align with the C-STEM curricula. Districts must install and allow students' access to required C-STEM Center software during the term of this agreement. The term for the right to use C-STEM software is the then-current academic year of this Agreement, after which District must cease the use of the C-STEM Software unless this Agreement is renewed for additional terms. District agrees to maintain reasonable security measures to protect the C-STEM Software, and to prohibit its unlawful use. When not in actual use, District agrees to secure the C-STEM Software. District agrees to accept all risk and liability for use of C-STEM Software programs.

7. Third Party Software. The C-STEM curricula are supported by certain third party software programs (Third Party Software) that align with the C-STEM curricula to provide students with rigorous and relevant application of skills. District must obtain or purchase annual or other available rights to Third Party Software programs which are integrated into the C-STEM Program courses in that academic year. These rights may be subject to limitations established by the owner of the Third Party Software, which may include school or site restrictions, as outlined in the Program Requirements. If the right to use the Third Party Software is on an annual basis, then the term for the rights is the then-current academic year of this Agreement, after which District must cease the use of the Third Party Software unless this Agreement is renewed for additional terms. All Third Party Software shall be subject to the standard end-user license agreement from the Third Party Software vendor, a copy of which is included with the Third Party Software, and copyright for each Third Party Software package remains with its owner and is protected by applicable copyright law. District agrees to maintain reasonable security measures to protect the Third Party Software, and to prohibit its unlawful use. When not in actual use, District agrees to secure the Third Party Software. District agrees to accept all risk and liability for use of such third party Third Party Software

programs. Additional information is found in the Program Requirements.

8. C-STEM Curricular Program Annual Participation Fee. Upon payment of an annual participation fee for each school or site participating in the C-STEM Program in the amount of \$1,000 per elementary school, \$1,000 per middle school, or \$1,000 per high school for a total amount of \$2,000 by District to C-STEM, District will have access to the C-STEM Curricular Program. District will access the C-STEM Curricular Program through its website at <http://c-stem.ucdavis.edu/>. The participation fee(s) shall be due and payable in the amount of \$ AMOUNT no later than August 31st during the term hereof. Correspondence or inquiries regarding payment should be directed to the following addresses: C-STEM Center Finance Officer, One Shields Avenue, 2132 Bainer Hall, MAE Dept., Davis, CA 95616. Email: orders@c-stem.ucdavis.edu Telephone: (530) 752-9082. Current participation fees are set forth in the Program Requirements. The participation fee covers program support features to the curriculum for which a school has trained teachers, as well as the associated support systems such as end of course assessments. A full list can be found in the Program Requirements. The C-STEM Center may adjust any participation fees on an annual basis in the sole discretion of the C-STEM Center, provided, however, that the C-STEM Center shall provide notice no later than March 1 of each year of any such increases or decreases for the following academic year. Additional information is found in the Program Requirements.

9. Required C-STEM Teacher Training. Teachers are required to successfully complete course specific C-STEM Teacher Training for each C-STEM course they will instruct. District will select each teacher for participation in the C-STEM Teacher Training program. It is the sole responsibility of District to ensure that every teacher meets all Federal, State and local requirements to teach each respective C-STEM course. District shall register each teacher being selected for training and teaching with the C-STEM Center by the date required under the Program Requirements. The C-STEM Center reserves the right to accept or reject any training or teaching candidate. Additional information is found in the Program Requirements.

9.1. C-STEM Conference and C-STEM Symposium. The annual C-STEM Conference and C-STEM Symposium are a professional development conference for school counselors, post-secondary advisers, principals, teachers and school/district/county administration to learn more about the C-STEM Program as well as why and how they should encourage students to enroll in the C-STEM Program. C-STEM Center and its Affiliates provide C-STEM Teacher/Counselor/ Administrator Training annually, in the form of the annual C-STEM Conference and C-STEM Symposium. It is strongly encouraged to have teachers/advisers/counselors/administrators to attend a C-STEM Conference or C-STEM Symposium at least once per year. The Entity will permit the attendance of appropriate teachers/advisers/counselors and shall pay all fees and expenses in conjunction with this C-STEM Conference and/or C-STEM Symposium.

10. Liability. The parties agree to defend, indemnify and hold one another harmless from and against any and all liability, loss, expense, attorneys' fees, or claims for injury or damages arising from the performance of this agreement, but only in proportion to and to the extent such liability, loss, expense, attorneys' fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of the indemnifying party, its officers, agents, students, or employees.

11. University Insurance. University warrants that it shall maintain, during the term hereof, a program of self-insurance combining the coverages and minimum limits described in the following subsections. University to notify District at least thirty (30) days prior to and policy modification, change, or cancellation.

11.1. General Liability Insurance.

Per Occurrence	\$1,000,000
General Aggregate	\$2,000,000

11.2. Workers' Compensation. University shall maintain workers' compensation insurance as required by California law.

12. District Insurance. District warrants that it shall maintain, during the term hereof, a program of commercial general liability insurance or self-insurance combining the coverages and minimum limits described in the following subsection. District to notify University at least thirty (30) days prior to cancellation.

12.1. Commercial General Liability Insurance.

Per Occurrence	\$1,000,000
General Aggregate	\$2,000,000

12.2. Workers' Compensation. District shall maintain workers' compensation insurance as required by California law.

13. Equipment Used in the C-STEM Program.

13.1. Equipment. The C-STEM Purchasing guide includes details on equipment, supplies and other items (collectively referred to as "equipment" in this Agreement) that are required to implement the C-STEM Program. To ensure that District's school or site facilities properly support the C-STEM Program, and to provide special purchase or license agreements and other costs savings practices negotiated by the C-STEM Center, in some instances it is required that specific equipment (including Third Party Software) be used due to curricular requirements. Unless specific equipment is required by the C-STEM Center, District may implement the C-STEM Program using equipment purchased from vendors not listed in the C-STEM Purchasing guide, provided such equipment meets or exceeds program specifications and adequately supports the C-STEM Program. The District shall be responsible for ensuring that equipment will meet or exceed Program Requirements and adequately support the C-STEM Program. Additional information is found in the Program Requirements.

13.2 Safety. District is solely responsible for the safe and proper implementation of the C-STEM Program at its sites and schools. District hereby covenants and agrees that any facility used to teach the C-STEM Program shall be adequately equipped to operate the equipment safely and properly and that such facility and any equipment used thereon shall at all times comply with applicable standards and/or customary practices relating to safety and reasonable use. District shall be solely responsible for providing its teachers with appropriate safety training relating to the implementation of the C-STEM Program.

14. Assessment and Evaluation of Results. The C-STEM Center assists and supports participating entities and the quality of the C-STEM Program through studying and evaluating the effectiveness of the C-STEM Program on an ongoing basis in order to update instructional, curricular

and assessment materials and otherwise improve the instruction that C-STEM participating entities provide to students. These efforts include the development, validation, and administration of assessments, examinations, surveys and/or other measurement tools on behalf of entities during their participation in the C-STEM Program. The C-STEM Center's ongoing studies review longitudinal student achievement data. The C-STEM Center retains data for four to six academic years after a student's estimated matriculation date, after which time the data is destroyed; at the request of District, a copy of the data will be returned to District prior to destruction. In support of these efforts, District acknowledges its participation annually in the C-STEM systematic assessment and evaluation process when District uses the C-STEM Elementary School, C-STEM Middle School, and/or C-STEM High School Programs. The C-STEM Center will provide, and District will annually participate in, the C-STEM online systematic assessment and evaluation process conducted by the C-STEM Center and/or its designated representatives, which includes online teacher registration, online student rostering/ registration, and full participation in various assessments, examinations, surveys and/or other measurement tools using technology and other support services provided by the C-STEM Center. District and the C-STEM Center acknowledge and agree that the personally identifiable data is confidential, and shall be used, shared and maintained for the purposes set forth above and only in accordance with reasonable privacy/security measures, proper professional practices, student confidentiality and applicable laws, including FERPA. Notwithstanding any language to the contrary, C-STEM may publish results from assessments and surveys in aggregate provided no personally identifiable data is included. Use or access to any protected data obtained as a result of these studies will be limited to representatives with a legitimate interest in accessing this data and re-disclosure of any personally identifiable information will be done in limited instances only, and only as allowed by, and consistent with, applicable laws. District shall be responsible for implementing annual notifications, record-keeping and other such privacy requirements relating to these services.

15. Delivery of Materials and Communication. In order to facilitate the delivery of the C-STEM curricula and other C-STEM Program materials to District, and to facilitate communication for the C-STEM Network, the C-STEM Center will use various internet applications and systems. The C-STEM Center shall determine which systems and applications will be used, in its sole discretion, and will implement reasonable security measures to safeguard sensitive data. Schools will implement appropriate measures to facilitate communication with these applications and systems. Additional information is found in the Program Requirements.

16. Use of C-STEM's Marks. District shall not use the name or mark of the UC Davis C-STEM Center in any form or manner in advertisements, reports, or other information released to the public without the prior written approval of the UC Davis C-STEM Center. District acknowledges that the C-STEM Center retains all rights and title to its marks, curricula, framework, methodologies, processes, information, materials and other intellectual property (collectively referred to in this Agreement as "materials").

17. License.

17.1. Non-exclusive. The C-STEM Center grants to District a non-exclusive, non-transferable license to reproduce and use, to the extent authorized herein, printed or

electronic materials developed and/or used in connection with the C-STEM Program, for the sole purpose of instruction to students at registered schools or sites that are actively providing C-STEM instruction, and appropriate training for authorized teachers. Any other use, reproduction, disclosure or distribution of such materials, including but not limited to commercial use, shall be strictly prohibited.

17.2. Program Identification. The C-STEM Center, C-STEM, the C-STEM graphics, and other marks used in the C-STEM Program are service/trademarks of the C-STEM Center. During the term of this Agreement, District shall use the appropriate logos, marks and other identifying materials on all C-STEM Program materials and communications with teachers, students, officials and community constituents. The C-STEM Center will supply District with appropriate instructions and labels relating to such identifying material to facilitate the proper promotion of the C-STEM Program. Upon termination of this Agreement, District shall cease using any such identifying material and shall make no representations linking any of its own educational programs to the C-STEM Program without the prior written consent of the C-STEM Center. All press releases and other public pronouncements involving the C-STEM Program shall be subject to the advance approval of the C-STEM Center through the C-STEM Center's designated representative. District agrees to reasonably promote and publicize the C-STEM Program in order to encourage student participation and to retain its distinct character.

17.3. C-STEM Educator Certification. Teachers certify as a UC Davis C-STEM Certified Educator with attendance and completion of an official C-STEM Professional Development including UC Davis C-STEM On-Site Professional Development, UC Davis C-STEM 2-Day Workshop, UC Davis C-STEM Summer Workshop, UC Davis C-STEM Summer Institute, UC Davis C-STEM Summer Academy, UC Davis C-STEM Summer Boot Camp, or C-STEM Camps for Accelerated Math Learning, or other C-STEM professional development sessions. Teachers utilize the C-STEM Subscription and implement the C-STEM Curriculum as their primary curriculum or supplementary curriculum in their class, afterschool program, or summer program.

17.4. C-STEM School Certification. Schools and entities can be certified as a C-STEM Certified School with five or more C-STEM Certified Educators.

17.5. C-STEM District Certification. Districts can be certified as a C-STEM Certified District with having at least 50% of their schools certified as a C-STEM Certified School.

17.6. Termination. The license granted hereunder shall cease upon the earliest to occur of: (i) the termination of this Agreement; or (ii) the C-STEM Center providing sixty (60) days written notice to District of its election to revoke the license. Upon termination of the license all material shall cease to be used and, at the election of the C-STEM Center, all C-STEM software, including electronic documents and programs, shall be uninstalled from all District computers, and in no event later than fifteen (15) days after the effective date of termination.

18. Representations and Warranties of District. District hereby makes the following representations and warranties: (a) This Agreement has been duly approved by the governing authority of District, and the person executing this Agreement on behalf of District has been duly authorized to so act by such District; (b) This Agreement is a legally binding agreement whose rights and obligations run only between District and the C-STEM Center and District's execution of this Agreement does not create rights in any other party; and (c) The terms of this Agreement do not violate or conflict with District's charter or any other of its rules of governance, the laws of District's

State or any subdivision thereof, or any other agreement to which District is a party.

19. Default.

19.1 Material Breach and Cure Period. Upon a material breach of this Agreement by either party which is not cured within fifteen (15) days after written notice is mailed to the defaulting party, this Agreement shall terminate effective upon the completion of the then-current academic year.

19.2 Non-payment or Failure to Implement Program. If District fails to make prompt payment of the participation fee in accordance with the terms of this Agreement or to implement the C-STEM Program for the academic year immediately following the date of this Agreement, then this Agreement may immediately terminate, at the option of the C-STEM Center. In the event that District implements one or more courses, but fails to timely and properly implement the courses required for District's C-STEM Curricular Program(s), then, this Agreement may immediately terminate, at the option of the C-STEM Center.

19.3 Other Remedies. In addition to the right to terminate the Agreement upon a breach thereof, the parties shall also have the right to exercise all of their respective remedies, both legal and equitable, as a result of the breach.

20. Protection of Intellectual Property. District agrees to adhere to any and all restrictions in connection with equipment, C-STEM Software, Third Party Software and other intellectual property use agreements between the C-STEM Center and Third Party Software producers, vendors or other such entities, and to take proactive measures to protect intellectual property used or available under such agreements, as shall be requested by the C-STEM Center or the owner of the intellectual property. Upon termination of this Agreement, District shall discontinue use of all Third Party Software or other intellectual property provided to them pursuant to this Agreement or through special agreements relating to District's participation in the C-STEM Program. The C-STEM Center assumes no liability for the non-performance of the Third Party Software or other intellectual property but will provide reasonable assistance to resolve non-performance issues with the owner of the Third Party Software or other intellectual property. District agrees that if it materially breaches these restrictions, its right to use such Third Party Software or other intellectual property will be terminated and all Third Party Software or other intellectual property shall be immediately returned to the C-STEM Center or the owner. District shall solely be responsible for any remedies sought by the owner relating to District's breach of these provisions, and the C-STEM Center shall not be liable in any way for such breach.

21. Disclaimer of Warranty. UNIVERSITY MAKES NO WARRANTY AS TO RESULTS TO BE OBTAINED BY THE USER FROM THE USE OF ANY SERVICES AND/OR FACILITIES PROVIDED BY UNIVERSITY UNDER THIS AGREEMENT. THERE ARE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

22. Attorneys' Fees. If any action at law or equity is brought to enforce or interpret the terms of this agreement, including collection of delinquent payment, the prevailing party shall be entitled to reasonable attorney's fees, costs and necessary disbursements in addition to any other relief to which it may be entitled.

23. Assignment. District is prohibited from assigning to or in any other way enabling any of its rights under this Agreement to inure to any third party without the prior written consent of the C-STEM Center. This prohibition on assignment shall be a material term of this Agreement and any violation of this Section shall be a material breach of this Agreement, which shall allow the C-STEM Center to terminate this Agreement.

24. Severability. If a provision of this agreement becomes, or is determined to be, illegal, invalid, or unenforceable, that will not affect the legality, validity, or enforceability of any other provision of the agreement or of any portion of the invalidated provision remains legal, valid, or enforceable.

25. Notice. Any notice required or permitted hereunder shall be sent to the parties via U.S. mail, e-mail, facsimile, or personal service at the addresses shown below. Either party may change its address by written notice to the other during the term.

UNIVERSITY
Business & Revenue Contracts
University of California, Davis
One Shields Avenue
Davis, CA 95616

DISTRICT NAME
Alvord Unified School District
Attn: Sherri Kemp
9 KPC Parkway
Corona, CA 92879
Sherri.kemp@alvordschools.org

And to:

C-STEM Center Finance Officer
One Shields Avenue
2132 Bainer Hall
MAE Dept.
Davis, CA 95616
Email: orders@c-stem.ucdavis.edu
Telephone: (530) 752-9082

26. Relationship of the Parties. The parties to this agreement shall be and remain at all times independent contractors, neither being the employee, agent, representative, or sponsor of the other in their relationship under this agreement.

27. Governing Law. This agreement shall be construed pursuant to California law.

28. Entire Agreement. This Agreement contains the entire understanding of the parties with respect to the subject matter hereof. This Agreement supersedes all prior agreements and understandings between the parties with respect to such subject matter.

IN WITNESS WHEREOF, the parties have each executed this Agreement on the dates indicated below.

AGREED:

ALVORD UNIFIED SCHOOL DISTRICT

THE REGENTS OF UNIVERSITY
OF CALIFORNIA

By: _____

By: _____

Print name: Sherry Kemp, Ed. D.

Assistant Superintendent,
Title: Educational Services

Procurement & Contracting Services
UC Davis

Date: June 18, 2021

Date: _____

C-STEM CENTER AGREEMENT PROGRAM REQUIREMENTS

*This document and the **C-STEM** Agreement each contain legally binding obligations for participating entities. In order for a full understanding of the C-STEM program requirements, the two documents must be reviewed together.*

Entities are required to consult with their state education departments and **C-STEM** state teams to ensure that they understand and follow important factors and implications in their states, which include funding requirements and opportunities, and state department of education guidelines.

I. DEFINITIONS

Entity: There are various types of organizations that implement the **C-STEM** Program. In order to encompass all of these various types, we are using the term "Entity or entity," which includes districts, participating schools, or other organizations that are authorized to enter into the C-STEM Agreement with the C-STEM Center.

Requirement: A Requirement must be followed when implementing the **C-STEM** Program. Unless an entity is provided with a waiver from a Requirement, the Entity is responsible for implementing the Requirement into its **C-STEM** Program.

C-STEM Curricular Programs:

- C-STEM School --- Elementary School
- C-STEM School --- Middle School
- C-STEM School --- High School
- Supplementary Implementation

II. C-STEM SCHOOL --- ELEMENTARY SCHOOL

C-STEM Elementary Schools implement C-STEM Common Core State Standards aligned mathematics and Computer Science/STEAM courses that prepare students for secondary STEAM subjects and STEAM experiences.

The Entity must offer its students a minimum of one **C-STEM** course from the date that it commences the curricular program. In subsequent years, schools should develop a plan to offer both mathematics courses and one or more of the Computer Science/STEAM courses. These courses are:

Mathematics Courses:

- Mathematics with Robotics Kindergarten
- Mathematics with Robotics Grade 1
- Mathematics with Robotics Grade 2
- Mathematics with Robotics Grade 3
- Mathematics with Robotics Grade 4
- Mathematics with Robotics Grade 5

- Mathematics with Robotics Grade 5

Computer Science and STEAM Courses:

- CS and STEAM with Robotics Kindergarten
- CS and STEAM with Robotics Grade 1
- CS and STEAM with Robotics Grade 2
- CS and STEAM with Robotics Grade 3
- CS and STEAM with Robotics Grade 4
- CS and STEAM with Robotics Grade 5
- CS and STEAM with Robotics Grade 6

III. C-STEM SCHOOL --- MIDDLE SCHOOL

C-STEM Middle Schools implement C-STEM Common Core State Standards aligned mathematics and CTE courses that prepare students for college STEM majors, or post-secondary STEM experiences. The following are the minimum implementation requirements:

The Entity must offer its students a minimum of one **C-STEM** course from the date that it commences the curricular program. In subsequent years, schools should develop a plan to offer both mathematics courses and one or more of the CTE courses. These courses are:

Mathematics Courses:

- Math 7 with Computing (M7C)
- Math 8 with Computing (M8C)

CTE Courses:

- Computer Programming with Ch (CPCH)
- Robotics and Film Production (RFP)

Among other factors, it is particularly important that Entities check with their state education departments to determine state-level minimum course requirements which may be higher.

All **C-STEM Middle School** courses require satisfactory prior completion of appropriate grade level math courses. Grade level courses should be those that support a student's requirements towards matriculation.

The most recent version of the curricula for each **C-STEM** course must be used.

All **C-STEM Middle School** courses are designed as year-long courses on a standard 45-50 minute schedule. Schools may use alternative schedules, such as alternating block, as long as the course is implemented in its entirety.

The Entity will determine the sequence of **C-STEM** courses for implementation.

IV. C-STEM SCHOOL --- HIGH SCHOOL

C-STEM High Schools implement C-STEM Common Core State Standards aligned mathematics and CTE courses that prepare students for college STEM majors, or post-secondary STEM experiences. The following are the minimum implementation requirements:

The Entity must offer its students a minimum of one **C-STEM** course from the date that it commences the curricular program. In subsequent years, schools should develop a plan to offer both mathematics courses and one or more of the CTE courses. These courses are:

Mathematics Courses:

- Integrated Mathematics 1 with Computing (IM1C)*
- Integrated Mathematics 1 with Computing and Robotics (IM1CR)*
- Integrated Mathematics 1 with Computing and Robotics Honors (IM1HCR)*
- Integrated Mathematics 2 with Computing and Robotics (IM2CR)**
- Integrated Mathematics 2 with Computing and Robotics Honors (IM2HCR)*
- Integrated Mathematics 3 with Computing and Robotics (IM3CR)**
- Algebra 1 with Computing (Alg1C)*
- Algebra 1 with Computing and Robotics (Alg1CR)*
- Algebra 1 with Computing and Robotics Honors (Alg1HCR)*
- Geometry with Computing and Robotics (GeoCR)**
- Geometry with Computing and Robotics Honors (GeoHCR)*
- Algebra 2 with Computing and Robotics (Alg2CR)**

Science Courses:

- Computing with Robotics*
- Physical Computing with Arduino*
- Physical Computing with Pi and Arduino*

CTE Courses:

- Computer Programming for Solving Applied Problems (CPAP)*
- Computing with Robotics (CR) *
- Computer Programming with C for Arduino**
- AP Computer Science Principles with Robotics (APCSPR)**
- Principles and Design of Cyber Physical Systems (PDCPS)**

*A-G Approved for UC/CSU undergraduate admission

** Course will be available for Pilot Adoption

Among other factors, it is particularly important that Entities check with their state education departments to determine state-level minimum course requirements which may be higher.

All **C-STEM** courses require concurrent enrollment in (or satisfactory prior completion of) appropriate grade level math courses. Grade level courses should be those that support a student's requirements towards matriculation.

The most recent version of the curricula for each **C-STEM** course must be used.

All **C-STEM** courses are designed as year-long or semester courses on a standard 45-50 minute schedule. For schools using alternative scheduling formats, for example, double period or block scheduling, these courses can be completed in an abbreviated time period as long as the course is completed in its entirety.

The Entity will determine the sequence of **C-STEM** courses for implementation.

V. C-STEM Site with Supplementary Implementation

C-STEM Supplementary Implementation allows schools the flexibility of implementing C-STEM Mathematics or CTE curriculum in precise modules rather than its entirety. This includes, but is not limited to, implementing the C-STEM Mathematics curriculum in a supplemental math course that is meant to support students' current math content goals by offering an alternative presentation and viewpoint of identical material, or implementing the C-STEM CTE curriculum in a supplemental elective course or in an after school setting.

While this type of implementation allows schools a greater flexibility to address their specific student population needs, schools implementing this may not apply A-G status to these courses as their implementation does not align with UC A-G requirements.

VI. C-STEM PROGRAM QUALITY

C-STEM Program Quality is an important part of any implementation. Following Program Quality guidelines not only ensures that the program has demonstrated fidelity of implementation, but also fosters an environment of continuous improvement in student outcomes. The Entity must follow Program Quality guidelines, and complete the **C-STEM** Program Certification process individually for each school curricular program. To achieve **C-STEM** Program Certification, entities must execute all required elements of the **C-STEM** Agreement and Program Requirements, in accordance with the C-STEM Program Certification Process.

The C-STEM Center encourages collaboration and networking. The Entity will make its participating schools or sites available for observation by other participating entities and exchange information concerning the **C-STEM** Program with other participating entities.

VII. C-STEM Educator Certification

C-STEM Educator Certification. Teachers certify as a UC Davis C-STEM Certified Educator with attendance and completion of an official C-STEM Professional Development including UC Davis C-STEM On-Site Professional Development, UC Davis C-STEM 2-Day Workshop, UC Davis C-STEM Distance Learning Workshop, UC Davis C-STEM Summer Workshop, UC Davis C-STEM Summer Institute, UC Davis C-STEM Summer Academy, UC Davis C-STEM Summer Boot Camp, or C-STEM Camps for Accelerated Math Learning. Teachers utilize the C-STEM Subscription and implement the C-STEM Curriculum as their primary curriculum or supplementary curriculum in their class, afterschool program, or summer program.

VIII. C-STEM School Certification

Schools and entities certify as a C-STEM Certified School with five or more C-STEM Certified Educators.

IX. C-STEM District Certification

Districts certify as a C-STEM Certified District with having at least 50% of their schools certified as a C-STEM Certified School.

X. PARTICIPATION FEES

As stated in the **C-STEM** Agreement with additional detail, an annual participation fee is assessed for each C-STEM school or site participating in a **C-STEM** Curricular Program. The fees per school or site, or division in a college are as follows:

Elementary Schools (K-6)	\$1,000
Middle Schools (K-8, 6-8)	\$1,000
High Schools (k-12, 6-12, 9-12)	\$1,000
College Level	\$1,000

The participation fee covers program support features including, but not limited to:

- School and technical support
- Student recognition and scholarship opportunities
- Networking opportunities through the **C-STEM** network
- Post-secondary opportunities, such as preferential admissions
- Opportunities to interact with **C-STEM** corporate partners
- Best practice sharing
- Expanded teacher pipeline

Single sign-on access to a suite of support applications, including but not limited to:

- End of Course Assessments
- Teacher Professional Learning Communities
- Reporting tools
- Registration and rostering system
- Score reporting tool

Participation fees are due no later than one month after signing the agreement each year. If an Entity does not pay the participation fees by the due date, it may have interrupted access to the program support features or support applications made available by the C-STEM Center.

XI. TEACHER TRAINING

C-STEM Teacher Training is designed to provide educators with the opportunity to increase their depth of content knowledge, skills, and pedagogy related to specific **C-STEM** course, unit, or module instruction. The professional development model is structured to empower teachers by focusing on proper preparation, in- depth training, and continuing education.

Training Schema:

- For C-STEM courses, a Master Teacher who is trained by the C-STEM Center will provide training to teachers.
- Districts who are implementing C-STEM courses are encouraged to ensure that there are multiple Master teachers in their district who can provide training.

Teacher Selection:

Teachers instructing a **C-STEM** course, unit, or module should have as a minimum a Bachelor's Degree, and be in compliance with applicable state teacher licensure or certification requirements. Teachers of C-STEM CTE curriculum will benefit from prior experience teaching STEM courses or working experience in a STEM field. Prior knowledge of computer programming or robotics is helpful but not required. The C-STEM Center reserves the right to accept or reject teacher candidates for training, and has the ultimate discretion to determine a teacher's successful completion of training.

***C-STEM** teacher training is one qualification for eligibility to teach **C-STEM** courses, units or modules. Individuals seeking to teach **C-STEM** Curricular Programs are advised to understand state requirements for teaching these programs.

Training:

- The Entity must require all teachers to successfully complete course, unit, or module specific training prior to teaching a **C-STEM** course, unit, or module to their students.
- The Entity shall be responsible for all fees and expenses associated with training, including costs as determined by the agreement governing such teacher.
- The Entity shall register teachers through the C-STEM Center systems for training. In the event the training is not offered (or is full), or a scheduling conflict exists, the Entity will contact the C-STEM Center.
- In the event a participating school or site of the Entity loses a teacher during the academic year, the Entity should contact the C-STEM Center. The C-STEM Center will work with the Entity to create a Professional Development Plan to support the teacher until the next available training session.

Ongoing Training:

- All trained teachers must be properly trained in and teaching the latest version of the **C-STEM** course, unit or module.
- All **C-STEM** Program revisions will be released with ongoing training focused on updates for that **C-STEM** course, unit or module. All trained teachers must complete ongoing training for **C-STEM** Program updates through one of the following options:
 - Refresher course: the C-STEM Center will provide reduced training for previously trained teachers to update them on new or modified curricula. The Entity shall be responsible for all fees and expenses associated with training.
 - Repeat of training: the C-STEM Center permits previously trained teachers to repeat training. The Entity shall be responsible for all fees and expenses associated with training.

Update Training:

- The C-STEM Center encourages all trained teachers to participate in update training: on-site professional development opportunities offered through the **C-STEM** Affiliate network.
- **C-STEM** Affiliates, as deemed appropriate and necessary, will provide on-site, update

training. The Entity will be responsible for all fees and expenses associated with on-site training.

XII. OTHER SCHOOL SUPPORT

The annual **C-STEM** Conference and C-STEM Symposium are a professional development conference for school counselors, post-secondary advisors, principals, teachers and school/district/county administration to learn more about the **C-STEM** Program as well as why and how they should encourage students to enroll in the **C-STEM** Program.

C-STEM Conference and C-STEM Symposium:

- **C-STEM** Center and its Affiliates provide **C-STEM** Teacher/Counselor/Administrator Training annually, in the form of the annual C-STEM Conference.
- It is strongly encouraged to have teachers/advisers/counselors/administrators to attend a C-STEM Conference or C-STEM Symposium at least once per year.
- The Entity will permit the attendance of appropriate teachers/ counselors/administrators and shall pay all fees and expenses in conjunction with this **C-STEM** Conference.

XIII. SOFTWARE AND EQUIPMENT

Teacher Equipment:

The Entity shall provide each teacher selected to participate in the **C-STEM** Teacher Training program with a laptop computer and software (each meeting the specifications established by the C-STEM Center), to be delivered to the teacher prior to attending training. The laptop must be able to support the software required by the curricular program over time. The laptop computer and software will be used in the **C-STEM** Teacher Training program as well as throughout the instruction of the **C-STEM** Program at each participating school or site of the Entity. The laptop computer and software shall remain in the possession of and be for the sole use of the teacher as long as the teacher is teaching **C-STEM** courses, units or modules.

Prioritization of Use:

The use of the equipment and software by students participating in the **C-STEM** Program shall take precedence over all other use. No other program or activity or student internships will interfere, substitute for or reduce student contact time in connection with the **C-STEM** Program.

Classroom Equipment and Software:

As stated in the **C-STEM** Agreement, there are requirements with respect to equipment and software for use with the **C-STEM** Curricular Programs. The **C-STEM** Agreement should be reviewed closely for guidance on the requirements of all equipment to meet or exceed state specifications.

Annual software rights are subject to limitations established by the owner of the software. These should be reviewed by the Entity, and can be found within each of the software applications.

XIV. SAFETY

The C-STEM Center does not control the day-to-day implementation of the **C-STEM** Program by

the entities; safety in the delivery of the **C-STEM** Program is the sole responsibility of the entities. It is therefore important for each Entity to implement appropriate safety protocols for the implementation of the **C-STEM** Program at its participating schools and sites, including any required, recommended or appropriate training for faculty/staff, and adherence to required, recommended or appropriate safety measures and appropriate supervision of students.

XV. ASSESSMENT AND EXAMINATIONS

Each entity must administer the most current version of the End-of-Course (EoC) Assessment provided by the C-STEM Center to its students at the end of each C-STEM Mathematics and CTE Curricular Program course. The Entity shall administer such assessments in a computer-based format in accordance with the online systematic evaluation process, as determined by the C-STEM Center in its sole discretion. The Entity must administer the EoC Assessments in accordance with guidelines specified by the C-STEM Center, and any deviation from those guidelines must be preapproved and documented. The C-STEM Center shall take reasonable measures to ensure that protected student information is safeguarded and kept private in accordance with applicable law.

This requirement only applies to C-STEM Middle Schools and C-STEM High Schools. This requirement does not apply to Supplementary Implementation schools.

XVI. DATA PRIVACY AND SECURITY

The C-STEM Center works to ensure that data and other records are protected in keeping with the letter and spirit of applicable law. Education records are administered consistent with the Family Educational Records and Privacy Act ("FERPA") and other applicable laws. The C-STEM Center may also have access to other information which is not subject to these laws. The C-STEM Center implements reasonable safeguards and precautions to secure data and protect against unauthorized access to its systems and data, and generally will only share information that it collects or receives as required for administrative purposes, to further its charitable mission, or as permitted by law.

The C-STEM Center assists and supports participating entities and the quality of the **C-STEM** Program through studying and evaluating the effectiveness of the **C-STEM** Program on an ongoing basis in order to update instructional, curricular and assessment materials and otherwise improve the instruction that **C-STEM** participating entities provide to students. These efforts include the development, validation, and administration of assessments, examinations, surveys and/or other measurement tools on behalf of entities during their participation in the **C-STEM** Program. The C-STEM Center retains data for four to six academic years after a student's estimated matriculation date, after which time the data is destroyed; at the request of the Entity, a copy of the data will be returned to the Entity prior to destruction. (De-identified data may be retained in a secure area and used for historical purposes relating to the continued support of the **C-STEM** Program.) The Entity will annually participate in the **C-STEM** online systematic assessment and evaluation process conducted by the C-STEM Center and/or its designated representatives, which includes online teacher registration, online student rostering/registration, and full participation in various assessments, examinations, surveys and/or other measurement tools using technology and other support services provided by the C-STEM Center. The Entity and the C-STEM Center acknowledge and agree that the personally identifiable data is confidential, and shall be used, shared and maintained for the purposes set forth above and only in accordance with reasonable privacy/security measures, proper professional practices, student confidentiality and applicable laws, including FERPA. Use or access to any protected data obtained as a result of these studies will be limited to representatives with a legitimate interest (for

example, state departments of education) in accessing this data and re-disclosure of any personally identifiable information will be done in limited instances only, and only as allowed by, and consistent with, applicable laws. The Entity shall be responsible for implementing annual notifications, record-keeping and other such privacy requirements relating to these services.

XVII. LICENSE TO C-STEM MATERIALS

Any use or distribution of **C-STEM** materials (which includes the marks, curricula, framework, methodologies, processes, information, materials and other intellectual property owned by the C-STEM Center) is subject to the terms and limitations of the license provided to each entity in its agreement with the C-STEM Center. No participating entities may post or otherwise distribute **C-STEM** curricular and assessment materials on the internet or any extranet. The C-STEM Center has made a significant investment in curricular and assessment materials (which includes items such as the curriculum, teacher training materials, assessments, answer keys and all other such materials), as well as its framework, methodologies and processes, in order to achieve its charitable mission, and has developed these materials in accordance with rigorous standards. If **C-STEM** materials are not appropriately protected, this would compromise the integrity of these materials, increase program costs and impair the viability of the **C-STEM** Program and the C-STEM Center's charitable mission.

XVIII. MARKETING AND PUBLIC RELATIONS

The C-STEM Center recommends entities to market the **C-STEM** Program in the following ways:

- Advertise the **C-STEM** Program's existence in the school via a banner or display near the entrance of the school – this may be done through a certification banner, **C-STEM** Program general banner, or flag, which can be purchased through the C-STEM Center.
- Use the official and current logo and boiler plate language in marketing materials and press releases that include information about the **C-STEM** Program.
- Mention the school's participation in the **C-STEM** Program, along with the **C-STEM** logo, on the school or district's website.

Approved logo files and boiler plate language are available on the C-STEM web site at <http://c-stem.ucdavis.edu/about-us/>. Past (obsolete) **C-STEM** logos should not be used in a school or on program materials. The C-STEM Center recommends the use of C-STEM standard marketing materials that the Entity may customize for their usage. The C-STEM Center requires that any marketing or communications materials created by the Entity that include information about the C-STEM Center be submitted for prior approval. The C-STEM Center encourages entities to work with the organization to promote the **C-STEM** Program in a manner that is consistent with the national branding of the organization.

XIX. INTERNET TECHNOLOGIES AND ELECTRONIC COMMUNICATIONS

The C-STEM Center will leverage a variety of internet applications and systems to facilitate the delivery of content and curriculum to teachers and students across the entire network. The C-STEM Center shall determine these systems at its sole discretion and will ensure that proper security is provided to safeguard sensitive data. The C-STEM Center will use these systems from time to time to communicate with members of the **C-STEM** network. The Entity shall ensure that it has employed sufficiently current web browser technology to allow teachers and students to access the C-STEM Center systems. This could include emails sent from the C-STEM Center to **C-STEM** network members, notifications in various systems such as online assessment platforms

or other internet based systems. **In order to facilitate these various types of communications including email communication with schools and teachers, the Entity shall add the c-stem.ucdavis.edu domain name to safe sender or white list registers at the district, school and individual user levels.** In the case of organizations with firewalls or other filtering technology in place to support their security needs, the Entity shall make accommodations to its infrastructure to ensure that the C-STEM Center's electronic communications are received by recipients within the Entity's network. In cases where the C-STEM Center uses specific internet based systems for delivery of curriculum, assessments or other relevant content to schools, teachers and students, the Entity shall ensure annually that all programs and users are properly registered and rostered into these systems in keeping with the policies and procedures the C-STEM Center puts in place to ensure secure access to relevant information.

XX. IMPORTANT ADDITIONAL REQUIREMENTS

In the event that the Entity does not implement the **C-STEM** Program for the fall or spring semester of the academic year immediately following the date of this Agreement (for any of Entity's sites or schools registered as of the date of the agreement), or for the fall or spring semester following registration, as applicable (for any of Entity's sites or schools registered after the date of this agreement), then the Entity must notify the C-STEM Center within ten days of the commencement of the then academic year to determine a mutually agreeable new implementation schedule.

Entity agrees to support the program administratively. Currently, a key role in the process is the District Administrator (or their delegate) who at a minimum must manage the related Agreement processes and also keep contact information updated.

Thank you for your close review of these important Program Requirements, which are legally binding as part of the **C-STEM AGREEMENT**. If you have any questions, please contact the **C-STEM** Center.

District Information:

District Name:					
County Name:					
Mailing Address:					
City:		State:		Zip code:	
Website:		Phone:		Fax:	
Academic Year Start Date:			Academic Year End Date:		
Total Number of Schools: Total number of schools in district			Total Enrollment: Total enrollment across all school sites		
# of Elementary Schools: Highest Grade 5		# of Middle Schools: Highest Grade 8		# of High Schools: Highest Grade 12	

District Contact Information:

Title	Name	Email	Phone Number
Superintendent			
CTE Coordinator			
Secondary Education Coordinator			
Elementary Education Coordinator			
Legal Document Signatory			
Title:			
Primary Finance Contact:			
Lead IT Contact Primary person responsible for software installation on computers used in C-STEM Implementation.			
C-STEM Lead Contact: Primary person responsible for coordinating C-STEM Implementation			

Participating Sites:

	Site Name:	NCES #	Grade Band: Based on highest grade level offered at site. <u>Elementary</u> up to grade 6 <u>Middle</u> up to grade 9 <u>High</u> up to grade 12 <u>Community College</u> grade 13+	Type: (private, public, charter, etc.)
A				
B				
C				
D				
E				
F				
G				
H				
I				
J				
K				
L				
M				
N				
O				
P				

Please complete Application Part 2 for each school site listed above.

School Site Information:

School Name:								Site Letter: (From part 1: district)				
Mailing Address:												
City:		State:		Zip code:								
Website:		Phone:		Fax:								
Number of Enrolled Students:								% FRMP:				
Race/Ethnicity Percentages:	African American:		American Indian / Alaskan:		Asian:		Caucasian:		Hispanic:		Other:	

School Site Contact Information:

Title:	Name:	Email:	Phone Number:
Principal			
Lead Curriculum Contact			
Office / Accounts Manager			
Lead IT Contact Primary person responsible for software installation on computers used in C-STEM Implementation.			
C-STEM Lead Contact: Primary person responsible for coordinating C-STEM Implementation			

School Computers Information:

1:1 Student:Computer? Does each student have their own compute? Yes/no		Number of Computers:					
		Windows:		Mac:		Chromebook:	

Participating Teachers:

#	Teacher Name	Phone #	M/F male / female	Credentials Held	C-STEM Training Please list any C-STEM trainings this teacher has attended.
A					
B					
C					
D					
E					
F					
G					
H					

Courses for C-STEM Implementation:

#	Course Title If C-STEM Materials are being used in afterschool program, please indicate the program here as well.	Supplemental / Core / Afterschool Will C-STEM materials be supplemental in this course, the core curriculum, or afterschool?	Grade Level(s) Grade levels of students in the course	# of Sections	Total Enrollment Across all sections	Teacher Use the Letter in each row above.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

UC Davis C-STEM Center, One Shields Ave 2132 Bainer Hall, Davis, CA 95616

Phone: (530) 752-9082

Fax: (530) 752-4158

<https://c-stem.ucdavis.edu>

UC Davis Center for Integrated Computing and STEM Education

info@c-stem.ucdavis.edu

School Site Information:

School Name:								Site Letter: (From part 1: district)				
Mailing Address:												
City:		State:		Zip code:								
Website:		Phone:		Fax:								
Number of Enrolled Students:								% FRMP:				
Race/Ethnicity Percentages:	African American:		American Indian / Alaskan:		Asian:		Caucasian:		Hispanic:		Other:	

School Site Contact Information:

Title:	Name:	Email:	Phone Number:
Principal			
Lead Curriculum Contact			
Office / Accounts Manager			
Lead IT Contact Primary person responsible for software installation on computers used in C-STEM Implementation.			
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