



## SCOE CaMSP PRISM Professional Development Grant



Solano County Office of Education, in partnership with the UC Davis Center for Integrated Computing and STEM Education (C-STEM) has been awarded a California Mathematics and Science Partnership (CaMSP) grant to support Science, Technology, Engineering and Math (STEM) projects. The Programming and Robotics Integrated with Science and Mathematics (PRISM) project was developed and will be implemented with the support of a Core Partnership and Regional Collaborative Partnership. The Solano County Office of Education is the Core Partnership Lead with the following partner districts:

- Benicia USD
- Dixon USD
- Fairfield-Suisun USD
- Mare Island Technology Academy
- San Ramon Valley USD
- St. Catherine of Siene
- Travis USD
- Vacaville USD

Along with the UC Davis C-STEM Center, College of Engineering and Departments of Mathematics, Physics and Human Development, the partnership includes key business and industry partners in the fields of science, mathematics, computing, and engineering.

The SCOE CaMSP PRISM project will enable classroom teachers in grades 5-12 to integrate computer programming and robotics instruction into their classroom instruction through 1) the introduction of innovative computing and robotics activities into the classroom, 2) STEM curriculum enhancements, and 3) 21<sup>st</sup> Century teaching strategies aligned with Common Core State Standards and CTE Standards. The content area focus is on mathematics integrated with technology and engineering. Our goal is to further develop challenging lessons and courses in a variety of settings and grade levels, helping students make connections to real life applications, develop critical thinking and problem-solving skills and explore college and career opportunities.

Teachers participating in the 3-year program, receive 60 hours of professional development each year and 24 hours of follow-up including participation in the annual C-STEM Day competition and C-STEM conference. The professional development is provided by the UC Davis C-STEM Center and includes experts in the fields of science, math, engineering, technology and education as well as the experience of teacher leaders who have been implementing the C-STEM curriculum over the last three years.

Of special note, the UC Davis C-STEM Center has just received the UC A-G Program Status, making all of its submitted courses readily adoptable as A-G approved.

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To meet the eligibility requirements for this CaMSP project, participants must:

- ✓ Be a 5<sup>th</sup>-12<sup>th</sup> grade teacher who teaches a math or math -based science or CTE class in one of the partnership districts (see other side for list). Participants do not need to have any prior computing or robotics experience to participate.
- ✓ Have their own class of students and be teaching in the classroom\*

\*Administrators, principals, coaches, subject matter specialists, teachers on special assignment, and student/pre-service teachers are **not eligible** teacher participants.

To participate in the CaMSP project, you must:

- ✓ **Commit to the entire 3-year project.\***  
\*New teacher participants cannot be added after the first performance year of the project, and the project can be penalized for falling below minimum enrollment.
- ✓ Commit to the professional development schedule below:
  1. 60 hours (10 days) of summer/intensive professional development.  
**Summer 2014 PRISM Institute\***  
**June 15 - 26, 2015, M-F, 9am – 4pm**  
Solano County Office of Education, Fairfield
  2. 24 hours (Saturdays and/or after school) of follow-up sessions (Dates TBD)
- ✓ Participate in a “Community of Practice” with program staff and teachers in like-settings to create, refine and implement lessons in your classroom.
- ✓ Participate in project evaluation to document the effects of the program on teacher practice and student achievement. Your role in evaluation includes:
  - Administering student level pre- and post-assessments
  - Sharing student assessment data
  - Participating in teacher pre- and post-assessments
  - Completing surveys with respect to teacher beliefs and practices.
  - Completing implementation reports to document how your instruction methods and pedagogy has changed.
- ✓ Complete and return all project-related paperwork in (forms, evaluations, reports, online surveys, etc.) in a timely manner.
- ✓ Maintain accessible e-mail for communication with program staff.

**Stipends:** ~\$2,000.00 per teacher per year for full participation, determined by project participation, attendance at the summer professional development and follow-up sessions.

\* 6 CEU credits (quarter system) available from UCD extension for \$175 for the summer institute. More details available on the first day of the institute

**For more information contact:**

Christina Morace

PRISM Project Director

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707-453-6168

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2015-18 SCOE CaMSP PRISM  
Professional Development Grant  
Teacher Commitment Form



Name:			
E-mail:			
Mailing Address:	Home Phone:		
	Cell Phone:		
District:			
School:			
School Principal:		School Phone:	
Present Teaching Assignment(s):		Grade(s) in classroom:	
2015-16 Teaching Assignment (if known):			
Textbook(s) currently used, including publication date:			
Years Teaching:	Credentials/Degrees held:		

Both teacher and school principal must sign below, indicating that each of you have read and understand the benefits and requirements of the CaMSP Partnership, and agree to fulfill all program commitments.

I have considered all program aspects of the CaMSP Partnership and agree to participate for the three years of the program.

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Teacher (signature) Date

I fully support this teacher's involvement in the CaMSP Partnership.

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Principal (signature) Date

Forms can be mailed or emailed  
Please return this completed form to:  
**Solano County Office of Education, ATTN: Sandy Jessop, CaMSP PRISM**  
**5100 Business Center Dr., Fairfield, CA 94534**  
Or  
**Email to: PRISM@c-stem.ucdavis.edu**