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Introduction Date	6-10-15
Enactment Number	15-0920
Enactment Date	10/10/15
By	OC



OAKLAND UNIFIED SCHOOL DISTRICT

Community Schools, Thriving Students

OAKLAND UNIFIED SCHOOL DISTRICT  
Office of the Board of Education

To: Board of Education  
From: Antwan Wilson, Superintendent

Subject: District Submitting Grant Proposal

**ACTION REQUESTED:**

Approval and support by the Board of Education of District applicant submitting grant proposal for OUSD schools for fiscal years 2015-16 to accept same, if granted, in whole or in part, pursuant to the terms and conditions thereof and to submit amendments thereto, for the grant year, if any.

**BACKGROUND:**

Grant proposal for OUSD schools for the FY15-16 fiscal year was submitted for funding as indicated in the chart below. The Grant Face Sheet and grant proposal packets are attached.

File ID #	Backup Document Included	Type	Recipient	Grant's Purpose	Time Period	Funding Source	Grant Amount
	Yes	Grant Proposal	Oakland Unified School District Teaching and Learning Science Department	Leadership Development for Next Generation Science Standards	May 1, 2015 to October 15, 2018	California Department of Education	\$1,333,389.00

**DISCUSSION:**

The district created a Grant Face sheet process to:

- Review proposed grant projects at OUSD sites and assess their contribution to sustained student
- Identify OUSD resources required for program success

OUSD received a Grant Face Sheet and a completed grant application for the program listed in the chart by the school.

**FISCAL IMPACT:**

The total amount of grants will be provided to OUSD schools from the funders.

- Grants valued at: \$1,333,389

**RECOMMENDATION:**

Approval and support by the Board of Education of District applicant submitting a grant proposal for OUSD schools for fiscal years 2015-2019 to accept same, if granted, in whole or in part, pursuant to the terms and conditions thereof and to submit amendments thereto, for the grant year, if any.

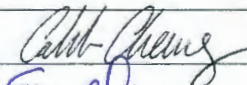
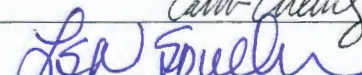
**ATTACHMENTS:** Grant Face Sheet, Proposal and Budget

OUSD Grants Management Face Sheet

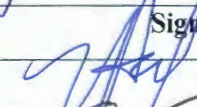
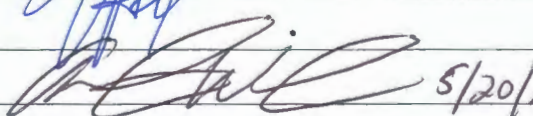
<b>Title of Grant:</b> BOLTS Initiative: Building Oakland Leadership for the Teaching of Science	<b>Funding Cycle Dates:</b> May 1, 2015 to October 15, 2018
<b>Grant's Fiscal Agent:</b> Oakland Unified School District	<b>Grant Amount for Full Funding Cycle:</b> \$1,333,389
<b>Funding Agency:</b> California Department of Education	<b>Grant Focus:</b> Leadership Development for Next Generation Science Standards
<b>List all School(s) or Department(s) to be Served:</b> All K-12 School Sites	

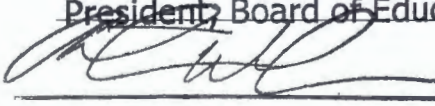
Information Needed	School or Department Response
How will this grant contribute to sustained student achievement or academic standards?	As a result of this grant and the WestEd NGSS Early Implementation Initiative, all K-12 school sites will have a Science Teacher Leader focused on learning and implementing the Next Generation Science Standards (NGSS) through summer institutes, lesson study activities, and monthly teacher leader meetings. In turn, these leaders will help their school sites and the district to transition to the new science standards.
How will this grant be evaluated for impact upon student achievement?	Teacher surveys, evaluations, and planning documents; student assessments and observations; tools and resources developed.
Does the grant require any resources from the school(s) or district? If so, describe.	Yes, partial funding for teacher leaders stipends and a commitment to staff a full time project coordinator that is funded by the grant. These expenses are already part of the current budget. The district would also provide facilities for the institutes and professional learning sessions.
Are services being supported by an OUSD funded grant or by a contractor paid through an OUSD contract or MOU?	No
Will the proposed program take students out of the classroom for any portion of the school day?	No
Who is the contact managing and assuring grant compliance?	Caleb Cheung 4551 Steele Street, Portable J Oakland, CA, 94619 510-336-7613, caleb.cheung@ousd.k12.ca.us

**Applicant Obtained Approval Signatures:**

Entity	Name/s	Signature/s	Date
Science Manager	Caleb Cheung		4/29/2015
Department Head	Lisa Spielman		4/29/2015

**Grant Office Obtained Approval Signatures:**

Entity	Name/s	Signature/s	Date
Fiscal Officer	Vernon Hal		
James Harris Superintendent President, Board of Education	Antwan Wilson		5/20/15

  
**Antwan Wilson**  
 Secretary, Board of Education

**California Mathematics and Science Partnership (CaMSP)  
Proposed Project Certifications**

I support the proposed project and commit my organization to completing all of the tasks and activities that were described in the application. I also certify that each of the following requirements of the Cohort 12 CaMSP program application has been met:

1. Project will employ a **full-time Project Director/Co-PI** whose sole responsibilities, throughout the duration of the project, will be to conduct the day-to-day management and administration of the project. The Project Director/Co-PI is an employee of the Lead LEA and may not be assigned to other projects, duties, or agencies. The Project Director/Co-PI is responsible for the operation of the partnership, and will be the CDE's primary point of contact.
2. If a funded Grantee seeks to make a significant change in the work plan and/or budget, a project amendment must be requested and approved by the CDE Project Monitor and the STEM Office prior to making any changes in the activities or expenditures of the project.
3. Project's budget must include **travel** for a team representing the Project Director/Co-PI, IHE and/or project development provider to attend an initial Orientation Meeting in Sacramento. Project also agrees to contribute to and participate in the CaMSP Learning Network meeting each year, providing a presentation to share successes, sending at least three project participants. This travel may be funded using the CaMSP grant award or in-kind funding. Travel outside the State of California shall not be reimbursed without the prior written authorization of the CDE Project Monitor.
4. All of the parties entering into this grant agree to be subject to the examination and audit of the State Auditor for a period of five years after final payment under the grant. Grantee agrees to obtain a timely audit where required in accordance with applicable audit guidelines. In the case of grants supported with federal funds, this shall include audit requirements of the applicable federal Office of Management and Budget Circular.
5. All subcontracts or subgrants pursuant to this grant must be approved by the CDE prior to execution of the agreement and shall be subject to the examination and audit by the State Auditor for a period of five years after the final payment under the grant. Grantee must submit a formal request to the CDE Project Monitor for review.
6. The proposed project supports mathematics curricula that are aligned to the CA CCSSM or science curricula that are aligned to the CA NGSS.



OAKLAND UNIFIED  
SCHOOL DISTRICT

March 25, 2015

Karen Shores, Education Administrator I  
Science, Technology, Engineering, and Mathematics Office  
California Department of Education  
1430 N Street, Suite 4309  
Sacramento, CA 95814

Dear Ms. Shores,

Oakland Unified School District (OUSD) fully supports the California Math Science Partnership Grant titled *The BOLTS Initiative: Building Oakland Leadership for the Teaching of Science*. This important initiative will actualize the Next Generation Science Standards (NGSS) throughout the district through the development of Science Teacher Leaders. Participating teachers will increase their science content knowledge and use tools to inform their professional practices. Their students will develop science practices and acquire a deeper understanding of the new content standards. These leaders will also create the culture, conditions, and competencies necessary at each school site for all students to succeed.

Our mission is to build a Full Service Community District focused on high academic achievement while serving the whole child, eliminating inequity, and providing each child with excellent teachers, every day. A strong, high quality science program is an integral part of realizing this mission. In addition, our vision is that all OUSD students will find joy in their academic experience while graduating with the skills to ensure they are caring, competent, fully-informed, critical thinkers who are prepared for college, career, and community success. Science is subject that provides daily experiences to make this vision a reality. In the coming year, it will be especially important to explicitly address issues of equity. Failure to do so will lead to the replication of the historical achievement gap. If we believe that all students will benefit from NGSS, then it is our obligation as educators to provide the appropriate resources and experiences that will enable all students to achieve at their highest potential.

We look forward to partnering with local and national experts in the field including the College of Letters and Science and School of Education at UC Berkeley, WestEd, and the Exploratorium. Their support to plan, design and deliver professional development is critical to our mission to implement NGSS. Much of this work will also dovetail with the implementation of Common Core and the leadership development of our principals.

Our Science Department has been a shining star in OUSD for almost a decade and I am confident in the department's ability to continue down the path of excellence. Thank you and we look forward to building a district where every student thrives!

Sincerely,

Antwan Wilson  
Superintendent

# UNIVERSITY OF CALIFORNIA, BERKELEY

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SANTA BARBARA • SANTA CRUZ

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COLLEGE OF LETTERS & SCIENCE  
BERKELEY, CALIFORNIA 94720-2920

PHONE: 510-642-5872  
FAX: 510-642-7578  
E-MAIL: MPSDEAN@BERKELEY.EDU

March 25, 2015

Antwan Wilson  
Superintendent  
Oakland Unified School District  
1000 Broadway, Suite 680  
Oakland, CA 91607

To Whom It May Concern:

I write in strong support of Oakland Unified School District's California Department of Education proposal for the California Math Science Partnership solicitation, entitled "The BOLTS Initiative: Building Oakland Leadership for the Teaching of Science". As the Dean of the Mathematical and Physical Sciences Division of the College of Letters and Science at UC Berkeley, two programs, Cal Teach and Math for America, Berkeley, reside under my aegis. Both vibrant programs address the critical need for highly qualified, highly motivated K-12 science and math teachers. Additionally, both Cal Teach and Math for America, Berkeley have a strong history of collaborative efforts with OUSD.

Cal Teach is designed to address California's science and mathematics teacher shortage. Through a rigorous sequence of course offerings each semester and the Cal Teach-sponsored Science and Math Education academic minor, hundreds of STEM undergraduates each year have been exposed to math and science education and work with K-12 students in local classrooms. Since its inception in 2006, Cal Teach has paired over 350 Berkeley undergraduates with more than 60 different OUSD teachers. These undergraduates have completed over 4500 hours of fieldwork in 26 OUSD schools, and have served as college-going, STEM role models to OUSD students.

Math for America, Berkeley, was launched in 2010 to provide the most promising math and science teachers in the San Francisco Bay Area with professional development and leadership opportunities, as well as a support community of engaged professionals. Over a five-year period, participating teachers are provided the resources and professional support they need to excel in today's urban classrooms. Currently, 25% of the Math for America, Berkeley participants are full-time teachers at OUSD schools.

The BOLTS Initiative will support over 100 K-12 science teacher leaders in OUSD as they implement the Next Generation Science Standards. As current and future educators, students in the Cal Teach program and participants in the Math for America, Berkeley will directly benefit from the outcomes of this initiative. I see The BOLTS Initiative as an extremely valuable asset to the campus community.

Sincerely,

A handwritten signature in black ink, appearing to read "Frances Hellman", with a long horizontal flourish extending to the right.

Frances Hellman  
Professor of Physics  
Dean, Mathematical and Physical Sciences



March 24, 2015

Antwan Wilson  
Superintendent  
Oakland Unified School District  
1000 Broadway, Suite 680  
Oakland, CA 91607

Dear Superintendent Wilson:

We are writing to express our commitment to support Oakland Unified School District's application for a California Math Science Partnership Grant entitled *The BOLTS Initiative: Building Oakland Leadership for the Teaching of Science*.

The Graduate School of Education (GSE) at the University of California, Berkeley, has a long-standing institutional commitment to the Oakland Unified School District (OUSD) both in research and professional training. OUSD, for example, serves as one of four partner districts to the Principal Leadership Institute (PLI), a program that offers an MA degree and a Preliminary Administrative Services Credential, as well as a two-year leader induction program that culminates in the completion of the Professional Clear Administrative Services Credential. Currently, over 60 PLI alumni work in Oakland Unified School District. As Dean of the GSE, Dr. Little has focused on nurturing a deeper working relationship with OUSD over the past five years. In addition to her support of PLI, her efforts include a successful partnership between the Developmental Teacher Education program and New Highland Elementary School and the participation of senior leadership on the GSE Dean's Advisory Board.

Dr. Little's research interests center on the organizational and occupational contexts of teaching, with special attention to teachers' collegial relationships and to the contexts, policies, and practices of teachers' professional development. She has conducted research in science-focused professional development in Oakland, funded by the National Science Foundation, and she now serves on a National Research Council committee charged with issuing recommendations for teacher development consistent with the NGSS.

As Program Director of the Principal Leadership Institute, Dr. Rebecca Cheung anticipates benefitting from a deeper understanding of the instructional leadership challenges faced by district, school, and teacher leaders as they seek to implement ambitious new standards. The *BOLTS* initiative will provide an opportunity to think deeply about how leaders effectively

10/15/07

Dr. Robert Wilson  
Superintendent  
Oakland Unified School District  
1900 Broadway, Suite 680  
Oakland, CA 94607

Dear Superintendent Wilson:

We are writing to express our commitment to support OUSD and find out what OUSD needs for a California Earth Science Teaching Grant under the new CA Standards for the Teaching of Science.

The Institute of Education Studies (IES) at the University of California, Berkeley, is a leading international organization to the Oakland Unified School District (OUSD) and its research and professional learning (RPL) for example, serves as one of four partner agencies to the IES and the Institute of Education Studies (IES) as well as a two-year pilot project for the IES in the development of the Professional Development Program (PDP) in the IES. Currently, we are piloting work in Oakland Unified School District (OUSD) and the IES is based on creating a deepening relationship with OUSD over the past few years. In addition to the support of RPL, we have included a research partnership between the Developmental Teacher Education Program and New England Primary School and the position of senior leader in the IES's Advisory Board.

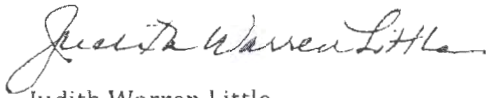
The IES's research interests center on the organizational and individual components relating with special attention to teachers' collegial relationships and to the concept of professional learning communities. The IES has conducted research in a number of areas related to professional development in Oakland, funded by the National Science Foundation and the National Research Council committee charged with the task of providing a research-based report on teacher education with the NRC.

The program director of the IES, Deborah (Don) Gaudin, is leading a team of researchers and practitioners in the IES who are focused on the development of the IES's research and professional learning (RPL) program. The IES and its researchers are seeking to improve and advance new research on the IES initiative will provide an opportunity to find deeply about how to effectively

support teachers as they pursue these standards with a diverse student population. This knowledge will inform the curricular program of both the PLI preparation and induction program.

The activities proposed by the BOLTS Initiative are strongly aligned with current research on teacher learning and system-level change, and the focus on promoting teacher leadership in science is a particularly compelling feature of the proposed project. Serving on the leadership team for the *BOLTS Initiative* will inform our mutual work in multiple ways. We strongly support Oakland Unified School District's application for a California Math Science Partnership Grant, and look forward to contributing to its success. We are confident *in its potential* to improve the quality of science instruction.

Sincerely,



Judith Warren Little  
Dean, Graduate School of Education  
Carol Liu Professor of Education Policy



Rebecca Cheung  
Program Director  
Principal Leadership Institute  
Leadership Support Program





March 25, 2015

Antwan Wilson  
Superintendent  
Oakland Unified School District  
1000 Broadway, Suite 680  
Oakland, CA 91607

WestEd, specifically the K-12 Alliance, is pleased to support Oakland's application, entitled *Building Oakland Leadership for the Teaching of Science (BOLTS)*, to the CA Mathematics and Science Partnership Program. As part of the planning for this proposal, we are pleased that *BOLTS* builds on the current good work that Oakland is doing to implement the Next Generation Science Standards and the district's participation in the CA NGSS K-8 Early Implementation Initiative.

As an active partner in *BOLTS*, WestEd/K-12 Alliance, commits to the following in support:

- 1.) Co-design, co-implement and coordinate the professional development program with the other collaborators to align the goals of *BOLTS* and the Early Implementation Initiative
- 2.) Provide technical assistance for the lesson study design
- 3.) Attend Leadership Team meetings

The goal of the *BOLTS*—to increase district capacity for NGSS implementation by building teacher capacity—fits nicely with the intent of the CA NGSS K-8 Early Implementation Initiative and enables both Oakland and WestEd to leverage the work of the two programs. While the Initiative is K-8, *BOLTS* will extend the work K-12. Learnings from *BOLTS* can be shared through the Initiative and impact other districts that are looking for help with implementation tools and processes. We also expect to leverage our resources, policies and practices from this partnership. As a STEM unit we are interested in building our services to schools and districts in curriculum, instruction, and assessment and leadership. We will continue to use the data from this collaboration to inform our programs, and to improve our products and processes for science professional development.

WestEd and the K-12 Alliance are eager to begin the work with you and learning from this collaboration.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Schneider".

Steve Schneider, Director  
Mathematics, Science and Technology Program



March 25, 2015

Antwan Wilson  
Superintendent  
Oakland Unified School District  
1000 Broadway, Suite 680  
Oakland, CA 91607

Dear Superintendent Wilson,

I would like to express the Exploratorium's willingness and commitment to support your proposal to the California Math Science Partnership Grant program for *The BOLTS Initiative: Building Oakland Leadership for the Teaching of Science*.

The Exploratorium and Oakland Unified School District (OUSD) have had a long history of working together, primarily through professional development for OUSD's K-12 teachers. With the upcoming implementation of the Next Generation Science Standards, we are excited to collaborate with OUSD to provide content and pedagogical support to your teachers. We are happy to have Julie Yu, Director of the Teacher Institute, serve on the Leadership Team for your project.

The Teacher Institute (TI) has been providing professional development to middle and high school science teachers for over 30 years. TI consists of three intentionally overlapping programs: an induction program for beginning science teachers, a program for mid-career teachers, and a teacher leadership program that prepares veteran teachers for roles as mentors. All three programs have benefited from the involvement of OUSD teachers. The knowledge gained through this project from working with your teacher leaders and developing strategies to aid them in NGSS integration will directly serve not only OUSD, but also the 3000+ teachers that make up the TI community of practice.

The Exploratorium strongly values the goals of this project, and we look forward to working with you to support the teachers and students of Oakland.


Sincerely,

A handwritten signature in black ink that reads "Bronwyn Bevan".

Bronwyn Bevan, PhD  
Director, Institute for Research and Learning  
Exploratorium

**California Mathematics and Science Partnership (CaMSP)  
2014-18 Project Budget**

See pages 28-29 for instructions

Name and Address of Lead LEA: Oakland Unified School District 1000 Broadway, Suite 680, Oakland, CA 94619		
As Superintendent (or designee) of the Lead LEA, I accept management and fiduciary responsibility for the project.		
Antwan Wilson		3/30/15
Superintendent's Printed Name	Superintendent's Signature	Date
Telephone: 510-879-8200 FAX: 510-879-3687 E-mail: antwan.wilson@ousd.k12.ca.us		
County Code: 01	District Code: 61259	

The budget should reflect the proposed expenditures for all partners and various line items to implement the complete CaMSP program. This budget should reflect all expenditures from May 1, 2015, through September 30, 2018. For the definitions of expenditures, please refer to the California School Accounting Manual on the CDE Web site at <http://www.cde.ca.gov/fq/ac/sa/index.asp>.

**\*Note: Indirect Costs are based on the SUBTOTAL.**

**PROPOSED BUDGET SUMMARY**

Object Code	Object of Expenditure	Proposed Expenditures			Total Proposed Expend.	Amount from Other Source(s) (WestEd Grant)
		FY 2014-15 (5-1-15 to 9-30-16)	FY 2016-17 (7-1-16 to 9-30-17)	FY 2017-18 (7-1-17 to 9-30-18)		
1000-1999	Certificated Salaries/Stipends	\$434,000	\$434,000	\$434,000	\$832,800	\$469,200
2000-2999	Classified Salaries					
3000-3999	Employee Benefits	\$91,890	\$91,890	\$91,890	\$191,214	\$84,456
4000-4999	Books and Supplies	\$10,000	\$10,000	\$10,000	\$21,600	\$8,400
5000-5999 (excluding 5100, 5800)	Services and Other Operating Expenditures, Travel	\$10,800	\$10,800	\$10,800	\$32,400	
5800	Professional/Consulting Services & Op. Exp.	\$59,967	\$59,967	\$59,967	\$179,901	
	SUBTOTAL	\$606,657	\$606,657	\$606,657	\$1,257,915	\$562,056
7300-7399	*Indirect Costs (6%)	\$36,399	\$36,399	\$36,399	\$75,475	\$33,723
5100	Subagreement for Services					
6000-6599	Capital Outlay					
	TOTAL	\$643,056	\$643,056	\$643,056	\$1,929,169	\$595,779

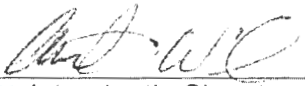
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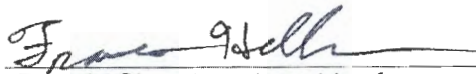
Reviewed and Approved by:

CDE Fiscal Analyst:	Title:	Date:
CDE Program Monitor:		

c. A third infraction will result in de-funding of the project.

Grantee shall comply with the General Assurances (<http://www.cde.ca.gov/fg/fo/fm/>) that are kept on file at the district office.

  
\_\_\_\_\_  
Superintendent's Signature  
  
Antwan Wilson  
\_\_\_\_\_  
Superintendent's Printed Name  
  
Oakland Unified School District  
\_\_\_\_\_  
Lead LEA  
  
3/26/15  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dean's Signature (must be from  
mathematics or science discipline)  
Frances Hellman  
\_\_\_\_\_  
Dean's Printed Name  
  
University of California, Berkeley  
\_\_\_\_\_  
Institution of Higher Education  
  
3/24/15  
\_\_\_\_\_  
Date