

Board Office Use: Legislative File Info.	
File ID Number	22-0759
Introduction Date	4/13/22
Enactment Number	22-0617
Enactment Date	4/13/2022 os



Board Cover Memorandum

To Board of Education

From Kyla Johnson-Trammell, Superintendent
Sondra Aguilera, Chief Academic Officer
Rebecca Lacocque, Director, High School Linked Learning
Samuel Berg, Coordinator, Computer Science

Meeting Date April 13, 2022

Subject Subcontract - WestEd - National Science Foundation (NSF) - Computer Science Connections: Using Data Science to Broaden Participation in Middle School

Ask of the Board Approval by the Board of Education of Subcontract S-00018579 of WestEd for the National Science Foundation (NSF) for the terms August 15, 2021 – July 31, 2023, for the amount of \$150,001.00, for the project “Computer Science Connections: Using Data Science to Broaden Participation in Middle School.”

Background Computer Science Connections: Using Data Science to Broaden Computer Science Participation in Middle School, is a Small Researcher-Practitioner Partnership (RPP) of WestEd and the Oakland Unified School District at the National Science Foundation (NSF). This partnership brings together experienced computer science education researchers with experienced middle school teacher leaders to help computer science students connect more deeply with CS content and elevate practices that promote inclusion and equitable participation in CS classrooms through data science. Data science instruction can give students the opportunity to apply their computing knowledge to socially-relevant problems, increasing interest and motivation particularly for underrepresented learners.

Discussion This subcontract will cover all staffing and non-staffing costs associated with Computer Science Connections: Using Data Science to Broaden Participation in Middle School. Benefits include teacher professional development and the creation of instructional resources for students.

Fiscal Impact The total amount of grants will be provided to OUSD schools from the funders. National Science Foundation Grant in the amount of \$150,001.00.

Attachment(s)

- Subcontract – WestEd, Contract Number: S-00018579
- USASpending.gov Grant to WestEd
- WestEd Grant Award Notification

SUBCONTRACT

This Subcontract is entered into by and between WestEd and Oakland Unified School District (USD)

SECTION A: CONTACTS

<p>Oakland Unified School District (USD) Technical Contact: Sam Berg Computer Science Coordinator 1000 Broadway, Suite 150 Oakland, CA 94607 P: 510-879-2538 sam.berg@ousd.org</p>	<p>WestEd Technical Contact: Yvonne Kao Senior Research Associate II P: 650.381.6404 ykao@wested.org</p>	<p>WestEd Contracts: Contracts Management Department 730 Harrison Street San Francisco, CA 94107 P: 415.615.3136 contracts@wested.org</p>	<p>WestEd Billing: Donald Hom A/P Supervisor 4665 Lampson Avenue Los Alamitos, CA 90720 P: 562.799.5121 accountspayable@wested.org</p>
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SECTION B: WORK OR SERVICES

1. Prime Contract Information:

Prime Funder: National Science Foundation (NSF)
 Project Name: Computer Science Connections: Using Data Science to Broaden Participation in Middle School
 Prime Contract Number: 2122485
 CFDA: 47.076

2. Subcontract Term:

Start Date: 08/15/2021 End Date: 07/31/2023

3. Work or Services to be completed by Subcontractor (brief description):

See Exhibit 1, Scope of Work.

4. Maximum Fees and expenses: **\$150,001.00**

5. Attachments:

The parties agree to comply with the terms and conditions of the following attachments which are by this reference made a part of this Subcontract.

See Attached:

- WestEd Terms and Conditions
- Exhibit 1, Scope of Work
- Exhibit 2, Budget Detail
- Exhibit 3, Small Business Representations
- Exhibit 4, FFATA Questionnaire
- Exhibit 5, Pre-Award Questionnaire
- Exhibit 6, Additional Contractual Requirements

SECTION C: PAYMENT

- Subcontractor shall invoice WestEd on a monthly basis. All invoices MUST BE received by WestEd no later than fifteen (15) days after the end of the month in which the services were delivered, or the end of the contract period, whichever is earlier. Invoices received after such date MAY NOT BE PAID.
- Subcontractor shall submit monthly invoices in duplicate. An original invoice shall be sent to the **WestEd Billing Contact** with a duplicate sent to the **WestEd Technical Contact** (contact information is provided in Section A above).
- All invoices must include the following: (1) Subcontractor's name, Federal Tax ID, invoice date; (2) Subcontract Number and invoice number; (3) Name, title, telephone number and complete mailing address of the responsible official to whom payment is to be sent; (4) Name, title, phone number of person preparing the invoice; (5) Authorized signature of certifying official.
- Subcontractor invoices must detail all services performed and/or expenses incurred in accordance with the attached budget. WestEd agrees to pay Subcontractor within 30 days of WestEd's receipt and approval of invoices. In no event shall WestEd be liable for late charges, interest, or penalties for failure to make payment within the time specified herein.

SECTION D: AUTHORIZED SIGNATORIES

IN WITNESS WHEREOF, this Subcontract has been executed by the parties hereto.

WestEd

Agreed and accepted:

Authorized Signature

Date Signed:

Name (Print): Rajwant Virk

Title: Contracts & Grants Manager II

Oakland Unified School District (USD) ("Subcontractor")

Agreed and accepted:



Authorized Signature

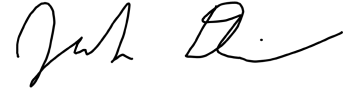
Date Signed: 4/14/2022

Name (Print): Gary Yee

Title: President, Board of Education

EIN:

Approved as to form on March 1, 2022



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WESTED TERMS AND CONDITIONS

1.0 Allowable Costs: Allowable costs are determined in accordance with the cost principles applicable to the organization incurring the costs, e.g., FAR Subpart 31.2 (commercial organizations), 2 CFR 230 (non-profit organizations), 2 CFR 220 (educational institutions). Specific unallowable costs include, but are not limited to, capitalized equipment with an acquisition cost of \$5,000 or more, foreign travel, entertainment cost, and use of funds to influence legislation or appropriations.

2.0 Certification of Cost & Price: Subcontractor hereby certifies that the fees and expenses charged for the work being conducted for WestEd is the Subcontractor's usual and customary fee. Subcontractor also certifies that Subcontractor is not charging other organizations a lower amount for the same work.

3.0 Records Maintenance, Retention, and Access: Subcontractor shall maintain proper accounting records and supporting documents that reflect all expenditures related to Subcontractor's performance of services under this Subcontract. WestEd may inspect, audit, or engage at its own expense an outside audit firm to review the Subcontractor's books to verify the claimed cost. Subcontractor shall retain all of such records and documents for at least seven (7) years after the final payment under this Subcontract.

4.0 Audit: During the term of this Subcontract and for a reasonable period of time thereafter, WestEd or its agent shall have the right, at periodic intervals and during regular business hours, on Subcontractor's premises, to examine and make copies of all books and records of Subcontractor insofar as they relate to this Subcontract.

5.0 Independent Contractor Status and Responsibilities: In performing its services, Subcontractor shall be an independent contractor with authority and responsibility to control and direct the performance of the services required under this Subcontract, subject to WestEd's general right to inspect work in progress to determine whether the services are being performed in accordance with this Subcontract. All persons hired and/or contracted by Subcontractor shall be Subcontractor's employees and/or subcontractors. Subcontractor shall be responsible for the accuracy, completeness, and adequacy of all services performed by Subcontractor's employees and/or subcontractors and shall ensure that all applicable licensing and operating requirements of the State and County governments and all applicable accreditation and other standards of quality generally accepted in the field of Subcontractor's activities are complied with and satisfactorily met.

Subcontractor voluntarily and knowingly assumes the entire liability (if any such liability is determined to exist) to its employees and/or subcontractors or to other persons for all loss, damage, or injury caused by Subcontractor's employees and/or subcontractors in the course of their employment and/or subcontract. Subcontractor shall be responsible for payment of applicable income, social security, and other State or County taxes and fees, and all statutory benefits including, without limitation, Workers' Compensation, Unemployment Insurance and Temporary Disability Insurance.

6.0 No Alteration of Contract: No alteration, addendum, modification, or waiver of the terms of this Subcontract shall be valid unless made in writing and signed by both parties, and no oral understanding or agreement not incorporated herein shall be binding on either of the parties. No inline delineation or alteration shall be accepted or bind WestEd.

7.0 Termination: 7.1 It is mutually agreed that either party may cancel this Subcontract before performance is completed by giving written notice to the other party at least thirty (30) days before the termination date.

7.2 WestEd may terminate this Subcontract immediately upon termination by the prime funder under which this Subcontract is being performed by giving written notice to the Subcontractor.

7.3 In the event of a termination under Section 7.1 or 7.2, WestEd shall reimburse Subcontractor for work performed under the Subcontract up to and including the date of termination, which are invoiced and submitted to WestEd in accordance with the attached Scope of Work and Budget.

8.0 Subcontracts and Assignments: Except as specifically stated herein above, Subcontractor shall not subcontract or assign any part of the services to be performed under this Subcontract without the prior written consent and approval of WestEd.

9.0 Indemnification: Subcontractor agrees to indemnify and hold harmless WestEd, its officers, employees and agents from all claims, liabilities and losses by whomever asserted arising out of acts or omissions of Subcontractor, its officers, employees and agents in the performance of this Subcontract, except those arising by reason of the sole negligence of WestEd, its officers, employees and agents. This provision will survive termination of this Subcontract.

10.0 Intellectual Property Ownership: Subcontractor agrees to convey ownership to any invention or discovery which is or may be patentable or otherwise protectable under Title 35 of the United States Code that was first conceived or first actually reduced to practice in the performance of the work under this Subcontract. Subcontractor hereby conveys to WestEd any invention or discovery which is or may be patentable or otherwise protectable under Title 35 of the United States Code that was first conceived or first actually reduced to practice in the performance of the work under this Subcontract. Subcontractor agrees that any information, design, expression, computer program or other work that is or may be copyrighted under U.S. copyright law first created or developed in the performance of the work under this Subcontract shall be a work made for hire, as defined by Title 17, Section 101, of the United States Code, for the benefit of WestEd. Subcontractor further agrees that any other information or data first created or developed in the performance of work under this Subcontract, including that which may be subject to protection as a trade secret, shall be proprietary to WestEd. This provision will survive termination of this Subcontract.

All pre-existing WestEd data and materials provided to Subcontractor by WestEd to assist in the performance of this Subcontract shall remain WestEd's property. WestEd hereby authorizes Subcontractor to have access to and make use of the data and/or materials as is appropriate for the performance by Subcontractor of its obligations under the Subcontract. Upon expiration or termination of the Subcontract for any reason, Subcontractor shall request instructions from WestEd regarding whether Subcontractor should: (1) erase or destroy the data files and/or materials maintained by the Subcontractor or (2) return the data and/or materials to WestEd. Subcontractor may not utilize the data and/or materials for any purpose other than in performing services for WestEd pursuant to this Subcontract.

11.0 Warranties: Subcontractor warrants that all services performed under this Subcontract shall be performed consistent with prevailing industry standards. If WestEd determines that Subcontractor has failed in the performance of this Subcontract, Subcontractor will be given fifteen (15) days to complete any required corrective action. If Subcontractor is unable to correct the performance issue, WestEd shall be entitled to terminate the contract immediately at the conclusion of the fifteen (15) day period and to recover all fees paid to Subcontractor for the deficient services.

12.0 Authority to Sign: Both parties executing this Subcontract acknowledge and warrant that they possess the authority to enter into this Subcontract on behalf of their respective companies.

13.0 Governance / Compliance: This Subcontract shall be governed by the laws of the State of California, without giving effect to conflict of law principles. Subcontractor shall also comply with all applicable

WESTED TERMS AND CONDITIONS

Federal and state laws, regulations, standards, orders, and requirements.

14.0 Disputes: The parties will attempt to settle any dispute, claim or controversy arising out of or relating to this Subcontract or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope (hereinafter a "Dispute"), through good faith negotiations. Such negotiations shall take place face to face, between representatives authorized to settle the Dispute, within 30 days from the date one party provides the other party with written notice of a Dispute and the legal and factual basis for such Dispute (hereinafter the "Negotiations"). Only in the event that a Dispute cannot be resolved through such good faith Negotiations, either party may submit the Dispute to arbitration in San Francisco, California. The arbitration shall be administered by JAMS pursuant to its Comprehensive Arbitration Rules and Procedures. No party shall file an arbitration demand or complaint until the parties have engaged in good faith Negotiations and such Negotiations have ended in an impasse. Judgment on the award rendered by the arbitrators may be entered in any court having jurisdiction. This clause shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction. Notwithstanding the foregoing, no Dispute concerning a party's or a third party's rights in or to intellectual property protected in accordance with Federal law (an IP Dispute") shall be subject to arbitration and any such IP Dispute may be filed only in a federal court of competent jurisdiction, subject to the obligation to participate in Negotiations, as set forth herein.

15.0 Insurance: Without in anyway limiting the Subcontractor's liability pursuant to Section 9.0, Indemnification, of this Subcontract, Subcontractor shall procure and maintain during the full term of this Subcontract the following insurance amounts and coverage:

(a) Comprehensive General Liability with limits not less than \$1,000,000 each occurrence combined Single Limit for Bodily Injury and Property Damage;

(b) Comprehensive or Business Automobile Liability Insurance with limits not less than \$1,000,000 each occurrence Combined Single Limit for Bodily Injury and Property Damage, including coverage for Owned, Non-owned and Hired Vehicles, as applicable;

(c) Worker's Compensation Insurance, with Employer's Liability limits not less than \$1,000,000 each accident;

(d) Professional Liability (E & O) Insurance with limits not less than \$1,000,000 each occurrence;

(e) Subcontractor shall name WestEd as additional insured. Subcontractor shall provide WestEd with appropriate certificate(s) of insurance, including an updated certificate in the event the certificate originally provided expires during the performance period of the Subcontract. Subcontractor also understands and agrees that WestEd may withhold payment for services for any violations of the insurance provisions of this Subcontract.

16.0 Subcontractor Conflict of Interest: **16.1** The Subcontractor warrants that, to the best of the Subcontractor's knowledge and belief, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest, as defined as, activities or relationships with other persons, organizations or any other third party which would cause the Subcontractor to be unable or potentially unable to render impartial assistance or advice to WestEd, or the Subcontractor's objectivity in performing the work might be otherwise impaired, or resulting in an unfair competitive advantage, or that the Subcontractor has disclosed all such relevant information to WestEd.

16.2 The Subcontractor agrees that if an actual or potential organizational conflict of interest is discovered after this Subcontract is executed, the Subcontractor will make a full disclosure in writing to WestEd. This disclosure shall include a description of actions which the Subcontractor has taken or proposes to take, after consultation

with WestEd, to avoid, mitigate, or neutralize the actual or potential conflict.

16.3 WestEd may terminate for convenience this Subcontract, in whole or in part, if it deems such termination necessary to avoid an organizational conflict of interest. If the Subcontractor was aware of a potential organizational conflict of interest prior to the execution of this Subcontract or discovered an actual or potential conflict after award and did not disclose or misrepresented relevant information to WestEd, WestEd may terminate the Subcontract for default, or pursue such other remedies as may be permitted by law or this Subcontract.

17.0 Confidentiality: All materials, products, documents, and other information of WestEd are proprietary and confidential, and may not be used, disclosed, or otherwise published by Subcontractor without WestEd's expressed written consent.

18.0 Non-Discrimination in Employment: The Equal Employment Opportunity clauses of Executive Order 11246, section 503 of the Rehabilitation Act of 1973, and the Vietnam Era Veterans' Readjustment Assistance Act are hereby incorporated by reference if applicable based on the size of this Subcontract and the work to be performed and/or the goods or services involved. **This Subcontractor shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.**

19.0 Severability: If any provision of this Subcontract is found by a court to be void, invalid or unenforceable, this Subcontract will either be reformed to comply with applicable law or the provision in question will be stricken so as not to affect the validity or enforceability of the remainder of this Subcontract.

20.0 Counterparts: This Subcontract may be executed in two or more counterparts, each of which together shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

21.0 Notices: Any notice or other communication shall be in writing, and will be considered to have been given if delivered by hand or sent by certified United States mail, return receipt requested, or by commercial courier service to the other party at the address stated above or to such other address as may be specified by either party in a notice to the other. Notice is effective upon receipt.

22.0 Entire Agreement: This Subcontract, together with Exhibits hereto, is the entire agreement of the parties and supersedes any prior agreements between them, whether written or oral, with respect to the subject matter hereof.

23.0 Order of Precedence: In the event of a discrepancy between these terms and conditions and any additional exhibits or attachments, the language of these terms and conditions will prevail.

Computer Science Connections

Oakland Unified School District Scope of Work

Oakland Unified School District (OUSD) will participate in *Computer Science Connections: Using Data Science to Broaden Computer Science Participation in Middle School*, a CSforAll research-practice partnership grant to WestEd and OUSD funded by the National Science Foundation (award #2122485). This scope of work summarizes OUSD's tasks as described in the grant proposal.

Project documents that do not contain research data will be stored in a Google Drive that all project staff can access. These documents include meeting agendas and notes, timelines, research protocols and instruments, and manuscripts describing the results of the project work. All research data will be stored on WestEd's Box drive, in accordance with the project Data Security Plan approved by WestEd's Data Protection Office.

Period of performance

August 15, 2021 - July 31, 2023

OUSD Project Co-PI

Sam Berg

OUSD Project Senior Personnel

Courtney Ortega

Brenda Tuohy

Task 1: Preparation and understanding the OUSD context

- The project co-PI and senior personnel will participate in partnership leadership team meetings, held approximately monthly
- The project co-PI will sponsor or otherwise facilitate WestEd's application to conduct project-related research at OUSD

Task 2: Modify data science unit and conduct initial pilot

- OUSD will convene a lesson design team consisting of 3 math teachers and 3 computer science teachers
- The lesson design team will develop a middle school data science unit based on Code.org's *Data and Society* unit in its *CS Discoveries* curriculum and pilot it in their own classes during the 2021-2022 school year

Task 3: Revise data science unit and conduct broader pilot

- The lesson design team will revise the data science unit based on the results of the pilot

- OUSD will launch a data science professional learning community (PLC) for middle school computer science teachers. PLC activities will include:
 - A 3-day workshop in Summer 2022
 - Meetings twice per semester during the 2022-2023 school year to review the data science unit and pilot results
 - Piloting the data science unit with additional teachers participating in the PLC

Task 4: Evaluation and other external review

- The project co-PI and senior personnel will help plan and participate in project advisory panel meetings, held approximately twice per year
- OUSD staff will co-author and co-present peer-reviewed publications resulting from project work

YEAR **1**

ORGANIZATION		FOR NSF USE ONLY	
		PROPOSAL NO.	DURATION (MONTHS)
San Francisco State University			Proposed Granted
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Sam Berg		AWARD NO.	Funds Granted by NSF
A. SENIOR PERSONNEL: PI/PD, Co-PI'S, Faculty and Other Senior Ass (List each separately with title, A.7. show number in brackets)			
0.	First Name	M Last Name	Title
1.	Sam	Berg	co-PI
	Brenda	A Tuohy	Sr. Associate
(2)		TOTAL SENIOR PERSONNEL (1-6)	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)			
1.	0) POST DOCTORAL ASSOCIATES		0.00 0.00 0.00 \$0
2.	0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)		0.00 0.00 0.00 \$0
3.	0) GRADUATE STUDENTS		\$0
4.	0) UNDERGRADUATE STUDENTS		\$0
5.	0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)		\$0
6.	0) OTHER		\$9,600
TOTAL SALARIES AND WAGES (A+B)			\$54,600
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)			
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)			\$54,600
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000)			
equipment item 1		\$0	
TOTAL EQUIPMENT			\$0
E. TRAVEL			
1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)		\$1,420	
2. FOREIGN		\$0	
F. PARTICIPANT SUPPORT COSTS			
1. STIPENDS		\$0	
2. TRAVEL		\$0	
3. SUBSISTENCE		\$0	
4. OTHER		\$0	
(0)		TOTAL NUMBER OF PARTICIPANTS	
G. OTHER DIRECT COSTS			
1. MATERIALS AND SUPPLIES		\$400	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION		\$0	
3. CONSULTANT SERVICES		\$0	
4. COMPUTERS SERVICES		\$0	
5. SUBAWARDS		\$0	
6. OTHER		\$4,600	
TOTAL OTHER DIRECT COSTS			\$5,000
H. TOTAL DIRECT COSTS (A THROUGH G)			
			\$61,020
I. INDIRECT COSTS (SPECIFY RATE AND BASE)			
Name of indirect cost item		Amount	Rate
OUSD Indirect Costs		###	##### 3393
TOTAL INDIRECT COSTS			\$3,393
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)			
			\$64,413
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)			
			\$0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)			
			\$64,413

YEAR **2**

FOR NSF USE ONLY

ORGANIZATION San Francisco State University				PROPOSAL NO.			DURATION (MONTHS)	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Sam Berg				AWARD NO.			Proposed	Granted
							Funds Granted by NSF	
A. SENIOR PERSONNEL: PI/PD, Co-PI'S, Faculty and Other Senior Ass (List each separately with title, A.7. show number in brackets)				NSF Funded			Funds	
				Person-months			Requested By	
0.	First Name	M Last Name	Title	CAL	ACAD	SUMR	Proposer	
1.	Sam	Berg	co-PI	0.00	0.00	0.00	\$25,000	
	Brenda	A Tuohy	Sr. Associate				\$20,000	
(1) TOTAL SENIOR PERSONNEL (1-6)							\$45,000	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1.	0) POST DOCTORAL ASSOCIATES			0.00	0.00	0.00	\$0	
2.	0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)			0.00	0.00	0.00	\$0	
3.	0) GRADUATE STUDENTS						\$0	
4.	0) UNDERGRADUATE STUDENTS						\$0	
5.	0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)						\$0	
6.	0) OTHER						\$24,600	
TOTAL SALARIES AND WAGES (A+B)							\$69,600	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							\$0	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)							\$69,600	
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000)								
	equipment item 1		\$0					
TOTAL EQUIPMENT							\$0	
E. TRAVEL								
1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							\$5,500	
2. FOREIGN							\$0	
F. PARTICIPANT SUPPORT COSTS								
1.	STIPENDS		\$0					
2.	TRAVEL		\$0					
3.	SUBSISTENCE		\$0					
4.	OTHER		\$0					
(0) TOTAL NUMBER OF PARTICIPANTS							\$0	
G. OTHER DIRECT COSTS								
1. MATERIALS AND SUPPLIES							\$1,000	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							\$0	
3. CONSULTANT SERVICES							\$0	
4. COMPUTERS SERVICES							\$0	
5. SUBAWARDS							\$0	
6. OTHER							\$4,980	
TOTAL OTHER DIRECT COSTS							\$5,980	
H. TOTAL DIRECT COSTS (A THROUGH G)							\$81,080	
I. INDIRECT COSTS (SPECIFY RATE AND BASE)								
Name of indirect cost item			Amount	Rate				
OUSD Indirect Costs			###	#####	4508			
TOTAL INDIRECT COSTS							\$4,508	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)							\$85,588	
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							\$0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$85,588	

NSF BUDGET JUSTIFICATION

Computer Science Connections: Using Data Science, Discourse, and the Social Good to Broaden
Participation in Middle School
8/1/2021 – 7/31/2023

A-C. Salaries and Wages; Fringe Benefits

Employee salaries and benefits are based upon a calendar-year salary schedule as agreed upon by the Oakland Unified School District and the United Administrators of Oakland Schools (UAOS). Salaries include the actual days worked for each employee and earned leave, e.g., holidays, vacations, sick leave, etc. Salary rates are current actual rates. Benefits include worker's compensation, unemployment tax, retirement, medical/dental, life insurance, disability insurance, and other staff benefits.

Hourly wages for teachers (*Other Personnel*) are based on an agreement between the Oakland Unified School District and the Oakland Education Association (OEA.) Extended contract work outside teachers' regular work hours is to be compensated at a rate of \$38.50 per hour, plus benefits. Actual benefits vary between individuals based on selected health insurance plans, numbers of dependents, etc., but are estimated at 30% of the hourly extended contract rate.

Senior Personnel

Name	Role	YR1 FTE	YR2 FTE
Samuel Berg	Co-PI	15%	15%
Brenda Tuohy	Senior Personnel	15%	15%

Samuel Berg will serve as project director for the external evaluation, at 15% FTE, which is equivalent to 1.5 months or 34 days. He will be responsible for managing all aspects of the project, including communicating with project staff; monitoring progress; overseeing the budget; data collection and analysis; and report writing.

Brenda Tuohy will serve as Senior Personnel on this project, at 15% FTE, which is equivalent to 1.5 months or 34 days. She will be responsible for the ongoing Professional Learning Community of teachers participating in this project, including planning and facilitating ongoing meetings and professional development sessions, as well as providing follow-up and coaching support for individual participants.

Courtney Ortega, who is also serving as Senior Personnel on this project is estimated to be spending 10% of her time dedicated to this project. We are not seeking funds for her salary, as she is funded as a permanent district employee and has the full support of her supervisors to allocate time and resources to this project.

This budget contains support for all of the time that will be needed by senior personnel to execute this project.

Other Personnel

Description	# Staff	# Hours	Rate \$38.50 + 30% benefits	Total Cost
Y1 - Teachers Developing Data Science Unit (Cohort 1)	6	32	\$50	\$9,600
Y2 - Expanded Pilot (Cohort 1)	6	34	\$50	\$10,200
Y2 - Expanded Pilot (Cohort 2)	9	32	\$50	\$14,400

In Year 1, a team of OUSD educators--3 with expertise in middle school computer science and 3 with expertise in middle school mathematics--will be selected as the first cohort of teachers (Cohort 1) in this project. They will meet for 8-two hour sessions in the Fall of 2021 to develop the data science unit, and 8-two hour sessions in the Spring of 2022 to prepare, pilot, and revise the unit.

In Year 2, the first cohort of teachers will be joined by up to 9 additional computer science teachers who will attend a 3-day summer institute (20 hours) to learn about data science and the unit developed to teach data science to middle school students. This training will be facilitated in-part by the teachers from Cohort 1, who will dedicate an additional two hours to the project during the institute (22 hours.) This group of teachers (Cohort 1 & Cohort 2) will meet for an additional 6-two hour sessions throughout the year to prepare to implement and reflect upon the implementation of the data science unit.

E. Travel

Per diem and mileage is charged at Oakland Unified School District's approved reimbursement rates. Airfare estimates are based on current average round-trip coach fares. Lodging is based on average rates for various cities. For each trip, other expenses include ground transportation (including shuttles, taxis, or trains), parking, tolls, and incidentals.

Travel Description	# Staff	# Trips	Days/ Nights	Price/ Trip	Total Cost
PI Meetings (Year 1)	1	1	3d/2n	\$1,420	\$1,420
PI Meetings (Year 2)	1	1	3d/2n	\$1,420	\$1,420
SIGCSE Conference (Year 2)	2	1	3d/2n	\$1,420	\$2,840
CMC North Conference (Year 2)	2	1	3d/2n	\$620	\$1,240

In Year 1 and 2, Samuel Berg will attend PI meetings. In Year 2, a two-person team comprised on one member of the OUSD Senior Personnel and one teacher from the project will attend the SIGCSE conference and the California Mathematics Council (CMC) North conference to share their process and results with the larger computer science and mathematics communities.

G. Other Direct Costs

G1. Materials and Supplies. This category includes costs of office supplies required for all meetings, teacher collaboration sessions, summer institutes, and leadership team, and advisory team meetings.

G6. Other

Copying and Shared Equipment. This category includes all general office fees for copier leases and usage of scanners, copiers and printers in the OUSD STEM office. Special printing and graphics expenses will be charged directly to the project contract. An outside printing vendor will be engaged to do bulk printing of the unit plan materials that will be provided to the piloting teachers.

Educational Fees. This category includes registration fees for the SIGCSE and CMS-North conferences, attended by two OUSD staff in Year 2.

Refreshments. This category includes light refreshments for teachers participating in the Professional Learning Community and other meetings that take place after school hours, as well as lunch during the 3-day summer institute in Year 2.

I. Indirect Costs

The Indirect Costs are determined by the California Department of Education (CDE) is based on expenditures from previous years. Current Indirect Costs for the Oakland Unified School District are set at 5.56% of the overall award amount.

Invoice #000000

Billing Date: mm/dd/yyyy

WestEd
Attention: <Name of Project Director>
Address
City, State, ZIP Code

From: <enter Subcontractor name>
Address
City, State, ZIP Code

Project Name: enter project name
Subcontract Number: S-0000000

Total Subcontract \$ -

Subcontract Number: <enter subcontract no. 000000>
Period of Performance: <enter start date - end date>

Billing Period: <enter start month-date-year - end month-date-year>

	Budget	Current Expenses	Cumulative Expenses	Balance
Salaries	\$ -	\$ -	\$ -	\$ -
Benefits	\$ -	\$ -	\$ -	\$ -
Consultants/Other Personnel/ Participant Support	\$ -	\$ -	\$ -	\$ -
Total Personnel	\$ -	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -	\$ -
Supplies/Materials	\$ -	\$ -	\$ -	\$ -
Postage/Telephone	\$ -	\$ -	\$ -	\$ -
Printing/Graphics	\$ -	\$ -	\$ -	\$ -
Information Services	\$ -	\$ -	\$ -	\$ -
Facility	\$ -	\$ -	\$ -	\$ -
Program Support	\$ -	\$ -	\$ -	\$ -
<Expense not originally budgeted>	\$ -	\$ -	\$ -	\$ -
<Expense not originally budgeted>	\$ -	\$ -	\$ -	\$ -
<Expense not originally budgeted>	\$ -	\$ -	\$ -	\$ -
Total Other	\$ -	\$ -	\$ -	\$ -
Total Direct Costs	\$ -	\$ -	\$ -	\$ -
Indirect Costs	\$ -	\$ -	\$ -	\$ -
Total Costs	\$ -	\$ -	\$ -	\$ -

Total Amount Due \$ -

I certify that the above expenses have been reviewed and could be traced back to <name of subcontractor> accounting records

Authorized Certifying Official
Remittance should be made payable to:
<name of subcontractor> at the address above
For billing questions, please call <enter contact name and phone number>

SMALL BUSINESS REPRESENTATIONS

Subcontractor represents that, under the Small Business Administration Regulation and other related laws and regulations, it is a (check all that are applicable):

- Small Business
- Large Business
- Non-Profit
- Other (please explain): _____

And operated as (please check as many as applicable; if not applicable, indicate "N/A" in other):

- Minority-Owned
- Woman-Owned
- Veteran-Owned
- Service-Disabled Veteran-Owned Business
- HUBZone Business
- Other (please explain): _____

Federal Funding Accountability and Transparency Act (FFATA) Questionnaire

Subcontractor: Oakland Unified School District (OUSD)
WestEd Subcontract #: S-00018579

WestEd's prime award, under which this subcontract is granted, is subject to the Federal Funding Accountability and Transparency Act (FFATA). As part of our continuing obligation under FFATA, WestEd is required to report any sub-recipient of \$25,000 or more to the Federal government and provide updates annually. This information will be made available to the public via www.usaspending.gov.

Please complete the following:

1.	<u>DUNS number</u> (and DUNS number of parent company, if applicable)	
2.	<u>Physical address</u> (Including 9 digit zip code, and congressional district)	
3.	<u>Primary place of performance</u> (Including 9 digit zip code, and congressional district)	
4.	<u>Description of Work</u>	<p>Please confirm whether you agree to the following description of work being made publicly available via www.usaspending.gov:</p> <p>OUSD staff will sponsor WestEd's project-related research at OUSD, develop middle school data science lesson content, and organize a professional learning community of math, computer science, and data science teachers.</p> <p><input type="checkbox"/> Agree <input type="checkbox"/> Disagree If you do not agree to the above, please provide a description of work that is acceptable to you (to be publicly available) in the space below or on a separate page and return it with this completed questionnaire.</p>
5.	<p>Does 80% or more of Subcontractor's annual gross revenue come from federal contracts, subcontracts, loans, grants, subgrants, and cooperative agreements, AND those revenues equal \$25 million or more? (If YES continue to question 6.)</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>	
6.	<p>Is information about the compensation of Subcontractor's five most highly compensated executives NOT already available to the public through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934, or is NOT already available to the public through periodic reports filed under section 6104 of the Internal Revenue Code of 1986?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>	
7.	<p>If you answered YES to both questions 5 and 6, you are required to report the names and total compensation for each of the Subcontractor's five most highly compensated executives for the preceding completed fiscal year.</p> <p>1. Officer 1 Name: _____ Compensation: _____</p> <p>2. Officer 2 Name: _____ Compensation: _____</p> <p>3. Officer 3 Name: _____ Compensation: _____</p> <p>4. Officer 4 Name: _____ Compensation: _____</p> <p>5. Officer 5 Name: _____ Compensation: _____</p>	

I certify that the above information is true and correct.

Signed

Date

Printed Name, Title

Email/Telephone

Subcontractor:	Oakland Unified School District
Subcontract #:	S-00018579
Amount:	\$150,001.00
Start Date:	08/15/2021
End Date:	07/31/2023

Instructions to Preparer:	
<p>This questionnaire is designed to enable WestEd to determine whether the potential subrecipient has fiscal and personnel procedures in place that comply with the regulations; has staff capable of delivering the services economically and efficiently; and has internal controls in place to assure that award assets will be properly safeguarded.</p> <p>Responses may be yes, no, or not applicable, or may require specific information. Please provide brief explanations as deemed necessary.</p>	
General Information	
1. Indicate the corporate nature of the organization:	
a. 501 (c) (3)	
b. Governmental entity	
c. For-profit entity	
d. Other NPO	
2. What is the organization's DUNS number and/or Universal Identifier number?	
3. What are the start and end dates of the organization's fiscal year?	
4. Are the IRS returns being filed in a timely manner?	
5. Are there any outstanding IRS or payroll tax issues?	
6. Are there any major legal issues affecting the organization? If yes, briefly explain. (Add attachment if necessary.)	
7. Does the appropriate staff understand the program requirements and are they familiar with program regulations and the Uniform Guidance Requirements?	
8. Indicate the result of the most recent A-133 audit:	
a. Clean audit – no findings or questioned costs	
b. Minor findings, no questioned costs	
c. Material findings, questioned costs	
(Submit a copy of the most recent audited financial statements)	
9. Has a management letter been issued? If yes, submit a copy.	
10. Have any of the subrecipient's programs/projects been audited in the last 2 years? If yes, submit copy of audit report.	
11. Who is the subrecipient's independent external auditor?	
12. Is the subrecipient registered under SAM (System for Award Management)?	

Policies and Procedures	
1. Are there written policies and procedures on cost allocation?	
2. Is there an approved indirect cost rate agreement? If yes, submit a copy.	
3. Are there written procedures on cash management?	
3. Are there written procedures on procurement and acquisition of property?	
4. Are there written procedures on property management and disposal of property?	
5. Are there written financial procedures?	
6. Are there written personnel policies and procedures?	
7. Are there written policies and procedures on standards of conduct, nepotism, and conflict of interest for governing board and employees?	
8. Are there written procedures on contract administration?	
9. Does the general ledger system allow for an ongoing comparison of budget to actual expenditures for your contract?	
10. Is there adequate insurance coverage?	
11. Do the financial procedures allow for adequate segregation of duties?	

Signature	X _____ By signing, I certify that, to the best of my knowledge, the responses to the questionnaire are true and correct.
Prepared By	
Position/Title	
Date Prepared	

NATIONAL SCIENCE FOUNDATION GRANT FLOWDOWNS

Incorporated into this Subaward by reference with the same force and effect as if set forth in full text are all the provisions of:

1. The Research Terms and Conditions (RTCs) dated 11/12/2020, located at:
<https://www.nsf.gov/awards/managing/rtc.jsp>
2. The NSF Agency Specific Requirements, dated 11/12/2020, located at:
<https://www.nsf.gov/awards/managing/rtc.jsp>

AWARD PROFILE
Grant Summary



Project Grant



FAIN 2122485

COVID-19 Spending

In Progress

(1 year, 9 months remain)

Awarding Agency

National Science Foundation (NSF)

CFDA Program / Assistance Listing ⓘ

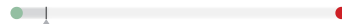
47.076 - EDUCATION AND HUMAN RESOURCES
[VIEW MORE INFO ABOUT THIS PROGRAM](#)

Recipient

WESTED

730 HARRISON ST
SAN FRANCISCO, CA 94107-1271
Congressional District: CA-12
UNITED STATES

Dates ⓘ



Today

Start Date

End Date

Aug 15, 2021

Jul 31, 2023

\$ Award Amounts ⓘ

Description ⓘ

\$300,000

Obligated Amount

COMPUTER SCIENCE CONNECTIONS: USING DATA SCIENCE TO BROADEN PARTICIPATION IN MIDDLE SCHOOL

\$300,000

COVID-19 Obligated Amount

\$0

COVID-19 Outlayed Amount

\$300,000

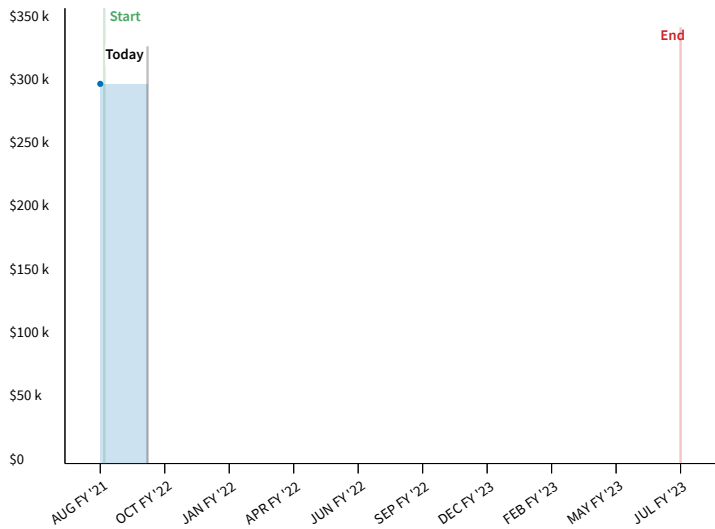
Total Funding

○ COVID-19 Obligated Amount	\$300,000.00
○ COVID-19 Outlayed Amount	\$0.00
Obligated Amount	\$300,000.00
Non-Federal Funding	\$0.00
○ Total Funding	\$300,000.00

[View Transaction History](#)

AWARD PROFILE

Grant Summary



[View transactions table](#)

Federal Accounts



Federal Account	Combined Obligated Amount	Percent of Total	Funding Agency
EDUCATION AND HUMAN RESOURCES, NATIO...	\$300,000	100%	(NSF) NATIONAL SCIENCE FOUNDATION

NOTE: Result count may differ between treemap view and table view. Treemap view only displays accounts with a positive combined obligated amount, while table view displays all accounts.

Summary of All Federal Accounts used by this Award

Total Funding Obligated	\$300,000.00
Total Count of Funding Agencies	1
Total Count of Awarding Agencies	1
Total Count of Federal Accounts	1

[View federal funding submissions](#)

CFDA Program / Assistance Listing Information



47.076: EDUCATION AND HUMAN RESOURCES

Objectives

To provide leadership and ensure the vitality of the Nation's science, technology, engineering and mathematics (STEM) education enterprise. The Education and Human Resources (EHR) component of the National Science Foundation sponsors programs that support the development of models and strategies for providing all students with access to high-quality STEM education, and research about those models and strategies. In addition EHR supports scholarships and fellowships for STEM students. The portfolio of EHR programs in STEM education comprises efforts spanning pre-K to 12, undergraduate, graduate and post-doctoral levels, as well as informal e

[Glossary](#)

AWARD PROFILE

Grant Summary



professional STEM community, and society, developing a cadre of professionally educated and well-trained teachers and faculty, and providing the research necessary to inform and improve educational practice. Many EHR programs are conducted in partnership with NSF's other directorates. Programs include research and development support for improving STEM learning and learning environments, including learning technologies, both in formal and informal learning settings; STEM workforce development, including the development of teachers; and broadening participation. EHR programs are subject to continuous improvements based on program reviews, evaluation, dissemination of best practices, and educational research.

[read less](#)

Administrative Agency

NATIONAL SCIENCE FOUNDATION, NATIONAL SCIENCE FOUNDATION

Website

<http://www.nsf.gov/dir/index.jsp?org=ehr>

SAM.gov Page

<https://beta.sam.gov/fal/7f837b84aa8542388ac9936e59e1974a/view>

Opportunities on Grants.gov

<https://www.grants.gov/search-grants.html?cfda=47.076>

Open	Closed	Archived	Forecasted
46	63	142	0

Applicant Eligibility

Except where a program solicitation establishes more restrictive eligibility criteria, organizations in the following categories may submit proposals: Institutions of Higher Education; Non-profit, non-academic organizations; For-profit organizations and State and local governments. See the NSF Proposal & Award Policies & Procedures Guide (PAPPG), Chapter I.E., for a full description of eligibility requirements: https://www.nsf.gov/publications/pub_summ.jsp?ods_key=pappg

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Beneficiary Eligibility

Not applicable.

[SHOW LESS](#)

Award History



Transaction History ¹ Sub-Awards ⁰ Federal Account Funding ¹

Transaction History

Modification Number	CFDA Number	Action Date	Amount	Action Type	Description
000	47.076	08/10/2021	\$300,000	A: New	COMPUTER SCIENCE CONNECTIONS: USING DATA SCIENCE TO BRO

Additional Information

[Expand All](#)

[Glossary](#)

AWARD PROFILE

Grant Summary



Unique Award Key	ASST_NON_2122485_4900
Record Type	Financial Assistance, Non-Aggregated
Federal Award Identification Number (FAIN)	2122485
Awarding Sub-Agency Code	4900

Agency Details



Awarding Agency	National Science Foundation (NSF)
Awarding Sub-Agency	National Science Foundation
Awarding Office	DIV OF RESEARCH ON LEARNING IN
Funding Agency	National Science Foundation (NSF)
Funding Sub-Agency	National Science Foundation
Funding Office	DIV OF RESEARCH ON LEARNING IN

Place Of Performance



Address	SAN FRANCISCO, CA 94107-1242 Congressional District: CA-12 UNITED STATES
---------	--

Period Of Performance



Start Date	08/15/2021
End Date	07/31/2023

Recipient Details



Recipient	WESTED
DUNS	074653882
Parent Recipient	WESTED
Parent DUNS	074653882
Recipient Address	730 HARRISON ST SAN FRANCISCO, CA 94107-1271 Congressional District: CA-12 UNITED STATES
Business Types	Higher Education Higher Education (Private)

Executive Compensation



Officer 1	--
Officer 2	--
Officer 3	--
Officer 4	--
Officer 5	--



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NOTE: You must [click here](#) for very important D&B information.



NSF Award Notice for Award ID 2122485 - Amendment ID 000

1 message

Tue, Aug 10, 2021 at 12:22 PM

NATIONAL SCIENCE FOUNDATION**Award Notice****Award Number (FAIN):** 2122485**Managing Division Abbreviation:** DRL**Amendment Number:** 000**AWARDEE INFORMATION****Award Recipient:** WestEd**Awardee Address:** [730 Harrison Street San Francisco, CA 94107-1242](#)**Official Awardee Email Address:** contracts@wested.org**Unique Entity Identifier (DUNS ID):** 074653882**AMENDMENT INFORMATION****Amendment Type:** New Project**Amendment Date:** 08/10/2021**Amendment Number:** 000**Proposal Number:** 2122485**Amendment Description:**

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above .

No work with human subjects, including recruitment, may be conducted under this protocol or grant until IRB approval has been obtained.

The Foundation authorizes the awardee to enter into the proposed subaward arrangement and to fund the subaward with award funds up to the amount indicated in the approved budget or NSF-approved post award request. The subaward should contain appropriate provisions consistent with Appendix B of the Research Terms and Conditions (RTC) dated November 12, 2020, or Articles 8.a.4. and 9 of the NSF Grant General Conditions (GC-1) dated November 12, 2020 (as appropriate), as well as any special conditions included in this award.

Incentive payments or gifts to participants must be made in accordance with written institutional policies and procedures and supported by auditable documentation. The allowability of these costs will ultimately be based on the awardee institution's ability to adequately demonstrate that the incentives have been disbursed in accordance with its policies and procedures.

AWARD INFORMATION**Award Number (FAIN):** 2122485**Award Instrument:** Standard Grant**Award Date:** 08/10/2021**Award Period of Performance:** Start Date: 08/15/2021 End Date: 07/31/2023**Project Title:** Computer Science Connections: Using Data Science to Broaden Participation in Middle School**Managing Division Abbreviation:** DRL**Research and Development Award:** Yes**Funding Opportunity:** NSF 20-539 Computer Science for All**CFDA Number and Name:** 47.076 Education and Human Resources**FUNDING INFORMATION****Amount Obligated by this Amendment:** \$300,000**Total Intended Award Amount:** \$300,000**Total Approved Cost Share or Matching Amount:** \$0**Total Amount Obligated to Date:** \$300,000**Expenditure Limitation:** Not Applicable**PROJECT PERSONNEL****Principal Investigator:** Yvonne Kao**Email:** ykao@wested.org**Institution:** WestEd**Co-Principal Investigator:** Sam Berg**Email:**
sam.berg@ousd.org**Institution:** Oakland Unified School District**NSF CONTACT INFORMATION****Managing Grants Official (Primary Contact)****Name:** Cartia Brown-Morgan**Email:** cbrownmo@nsf.gov**Awarding Official****Name:** Cartia Brown-Morgan**Email:**
cbrownmo@nsf.gov**Managing Program Officer****Name:** Bradley Scott Barker**Email:** bsbarker@nsf.gov**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 11/12/2020, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This award is made in accordance with the provisions of NSF Solicitation: NSF 20-539 Computer Science for All.

*Indirect Cost Rates

Item Name	Indirect Cost Rate
Indirect Cost	14.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.