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Memo

To Board of Education

From Kyla Johnson-Trammell, Superintendent
Sondra Aguilera, Chief Academic Officer
Wesley Jacques, Executive Director, Academics and Instructional Innovation
Brenda Tuohy, Director of Science, Technology, Engineering, and Mathematics (STEM)

Board Meeting Date June 5, 2019

Subject Revision to original submission to the Board of Education on May 8, 2019.
Curriculum Adoption: Full Option Science Systems (FOSS)
Purchase Agreement for FOSS Middle School Materials, Supplies, and Equipment
Services for Middle School grades 6-8 science instructional materials

Action Requested and Recommendation Adoption by the Board of Education of Resolution No. 1819-0191 - Selection of Instructional Materials: Full Options Science Systems (FOSS), published by Delta Education for middle school grades 6-8, and Agreement for the purchase of instructional curriculum materials related thereto, for the period of June 5, 2019 through June 30, 2022, in an amount not to exceed \$842,574.62.

Background The current textbooks were adopted in 2007 and are aligned to the 1998 standards. In 2013, California adopted the Next Generation Science Standards (NGSS). In 2014, the OUSD Science Department along with OUSD science teachers began the development of the OUSD NGSS-aligned curriculum for grades 6-8 and Bio9. The development and implementation of this transitional curriculum provided a critical professional learning opportunity to unpack the new standard as well as provide access to NGSS-aligned materials for all OUSD middle schools. Support for the development and implementation of this transitional NGSS-aligned curriculum came from a grant provided by the Bechtel Foundation. The middle school science selection process was based on the feedback from the 9 districts and 2 charter organizations in partnership with West Ed K-12 Alliance California NGSS Early Implementation Initiative. OUSD Science Teacher Leaders who were apart of the Early Initiative reviewed the curricula in Spring 2017. The top 4 rated curricula were reviewed in open review sessions in Spring 2018. The top 2 curricula from the review sessions were implemented in Fall 2018 by teachers from 11 different middle schools over the various networks (elementary, middle, high). Pilot teachers had various teaching experiences and backgrounds. They provided feedback on 6 features: NGSS alignment; Language, Literacy, and Common Core Connection; Equity; Student Materials; Assessment; and Usability. Overwhelming the teachers ranked FOSS high in each of the categories.



Fiscal Impact

The complete purchase of FOSS science instructional materials for grades 6-8 in the amount to not exceed a total of \$842,574.62, with Delta Education agreeing that the District may make installment payments for all the materials ordered. Expected annual cost to refurbish FOSS kits of consumables materials and purchase live organisms will not exceed \$50,000.00 each year. This estimate is based on the cost for refurbishment for grades K-5. This purchase assumes continued District investment in labor required to maintain, refurbish, and rotate the FOSS science instructional materials for the length of the adoption.

Fund/Grant	Disbursements	Amount
1st Installment		
U.S. Dept of Education, Math and Science Partnership Grant, 2019-20 Lottery and Supplemental Funds	1 st Installment Payment	\$230,858.21
2nd Installment (2020-2021)		
2020-21 Lottery and Supplemental Funds	2 nd Installment Payment	\$230,858.21
3rd Installment (2021-2022)		
2021-22 Lottery and Supplemental Funds	3 rd Installment Payment	\$230,858.21
Foss Supplies and Live Organisms (2019-2022)		
2019-22 Lottery (3 school years)	2019-22 Refurbishment Supplies and Live Organisms (\$50,000.00/each year)	\$150,000.00
Total Amount for 2019-2022		\$ 842,574.62

Attachments

- Resolution No. 1819-0191
- OUSD Science 6-8 Curriculum Adoption Proposal
- Purchase Agreement for FOSS Middle School Materials, Supplies, and Equipment
- PowerPoint Presentation



**RESOLUTION OF THE BOARD OF EDUCATION OF THE
OAKLAND UNIFIED SCHOOL DISTRICT
RESOLUTION NO. 1819-0191**

SELECTION AND PURCHASE OF INSTRUCTIONAL MATERIALS: FULL OPTIONS SCIENCE SYSTEMS (FOSS)

WHEREAS, pursuant to Board Policy 6161.1, the Governing Board is responsible for selecting textbooks and other instructional materials for use in District schools;

WHEREAS, the State Board of Education has adopted the Next Generation Science Standards, has finalized the California Framework for the Next Generation Standards, and will be assessing students on the Next Generation Science Standards beginning in 2018-19;

WHEREAS, the Governing Board shall select instructional materials for use in grades 6th through 8th or shall have otherwise determined which instructional materials align with the state academic content standards;

WHEREAS, the Governing Board shall select instructional materials for grades 6-8 upon determining that the materials are:

1. Aligned to applicable academic content standards;
2. Are provided by publishers that comply with legal requirements;
3. Do not reflect adversely upon persons because of their race or ethnicity, gender, religion, disability, nationality, sexual orientation, occupation, or other characteristic listed in Education Code 220, nor contain any sectarian or denominational doctrine or propaganda contrary to law;
4. Reflective of California's multicultural society, avoid stereotyping, and contribute to a positive learning environment;
5. Are accurate, objective, current, and suited to the needs and comprehension of district students at their respective grade levels;
6. With the exception of literature and trade books, use proper grammar and spelling;
7. Do not expose students to a commercial brand name, product, or corporate or company logo unless the Board makes a specific finding that the use is appropriate;
8. Support the district's adopted courses of study and curricular goals
9. Contribute to a comprehensive, balanced curriculum
10. Demonstrate reliable quality of scholarship as evidenced by:
 - a. Accurate, up-to-date, and well-documented information
 - b. Objective presentation of diverse viewpoints
 - c. Clear, concise writing and appropriate vocabulary
 - d. Thorough treatment of subject
11. Provide for a wide range of materials at all levels of difficulty, with appeal to students of varied interests, abilities and developmental levels
12. Include materials that stimulate discussion of contemporary issues and improve students' thinking and decision-making skills
13. Contribute to the proper articulation of instruction through grade levels
14. Have corresponding versions available in languages other than English as appropriate
15. Include high-quality teacher's guides



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16. Meet high publishing standards in terms of the quality, durability and appearance of paper, binding, text and graphics
17. Upon adoption of standards by the SBE, not exceed maximum textbook weight standards
18. Meet the standards for social content that portray in a realistic manner democratic values, cultural pluralism, and the diversity of the state's population, and emphasize people in varied, positive, and contributing roles;

WHEREAS, as summarized in Attachment A, instructional review committees comprised predominantly of teachers, teacher leaders and central office content coordinators, with the majority of the participants being teachers, reviewed middle school instructional materials for potential use in District schools and found the following to meet the standards for adoption. Therefore, the following instructional materials are recommended for adoption by the Governing Board: FOSS Next Generation published by Delta Education;

WHEREAS, expenditures, pursuant to an Agreement between the District and Delta Education, shall not exceed the total amount of \$842,574.62, for the period June 5, 2019 to June 30, 2022, for the purchase of middle school instructional materials related thereto;

NOW, THEREFORE, BE IT RESOLVED that the Board of Education hereby finds that the instructional materials listed in Attachment A meet the standards for adoption and hereby selects the instructional materials listed in Attachment A for use in District schools.

BE IT FURTHER RESOLVED that the Board approves the Agreement with Delta Education for the period June 5, 2019 - June 30, 2022 in an amount not to exceed a total of \$842,574.62 for the purchase of instructional materials related thereto, which Agreement is attached as Exhibit B. The price quote issued by Delta Education, as well as its pricing lists, are attached collectively as Exhibit B, with the stated costs of purchases of the materials pursuant to the quotes and the Agreement as follows:

Vendor	Description	Price
Delta Education	NGSS FOSS Modules	\$641,272.80
	Instructional Materials Subtotal	\$641,272.80
	Tax & Shipping	\$51,301.82
	Total for one-time purchase of NGSS FOSS curriculum	\$692,574.62
	2019-20 FOSS Refurbishment Supplies & Live Organisms	\$50,000.00
	2020-21 FOSS Refurbishment Supplies & Live Organisms	\$50,000.00
	2021-22 FOSS Refurbishment Supplies & Live Organisms	\$50,000.00
	Total for 2019-2022	\$842,574.62



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Passed by the following vote:

AYES: Gary Yee, Roseann Torres, Shanthi Gonzales, James Harris, Vice President Jody London and President Aimee Eng

NOES: Jumoke Hinton Hodge

ABSTAINED: None

RECUSE: None

ABSENT: Student Directors Yota Omowosho and Josue Chavez

CERTIFICATION

We hereby certify that the foregoing is a full, true and correct copy of a Resolution passed at a Regular Meeting of the Board of Education of the Oakland Unified School District, held on June 5, 2019.

OAKLAND UNIFIED SCHOOL DISTRICT

Aimee Eng
President, Board of Education

Kyla Johnson-Trammell
Superintendent and Secretary, Board of Education