



OAKLAND UNIFIED  
SCHOOL DISTRICT

*Community Schools, Thriving Students*

# Middle School Science

## Curriculum Adoption



Presented by OUSD Science Team  
Academics & Instructional Innovation

Presented to OUSD School Board & Community

[www.ousd.org](http://www.ousd.org)



@OUSDnews

May 8, 2019



# NEXT GENERATION SCIENCE STANDARDS

## For States, By States

- Fundamental shift in purpose of science education: from knowing facts to being able to understand & explain the world around you
- Addresses Climate Change & Environmental Literacy
- Includes engineering in every grade K-12
- Explicit connections to Common Core and CA-ELD Standards
- Middle School Integrated Model: Every discipline, every year

Current textbooks:  
Adopted in 2007  
(aligned to 1998 Standards)

NGSS:  
Adopted by CA in 2013  
Tested in 2019

#3 Reason STEM Teachers  
leave OUSD:  
Lack of adequate supplies & resources



# Selection Process



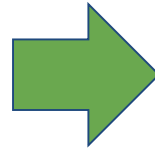
OAKLAND UNIFIED  
SCHOOL DISTRICT

Community Schools, Thriving Students



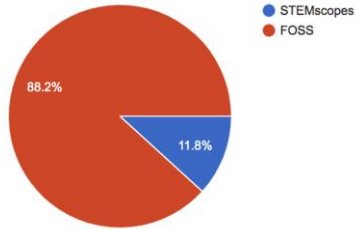
1. Alliance
2. Bret Harte
3. Claremont
4. Edna Brewer
5. Frick
6. Greenleaf
7. La Escuelita

8. Madison
9. Melrose
10. Montera
11. Roosevelt
12. UPA
13. UFSA
14. Westlake

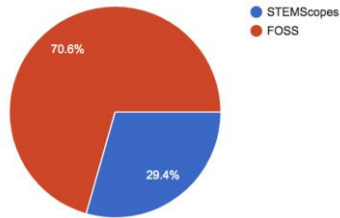


1. Bret Harte
2. Edna Brewer
3. Greenleaf
4. La Escuelita
5. LIFE
6. Madison
7. Melrose
8. Montera
9. Roosevelt
10. SOL
11. UFSA

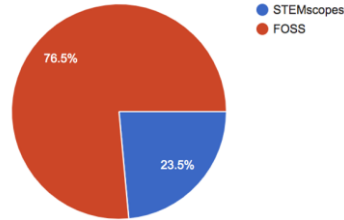
Overall, which curriculum is strongest in the category of NGSS Alignment?



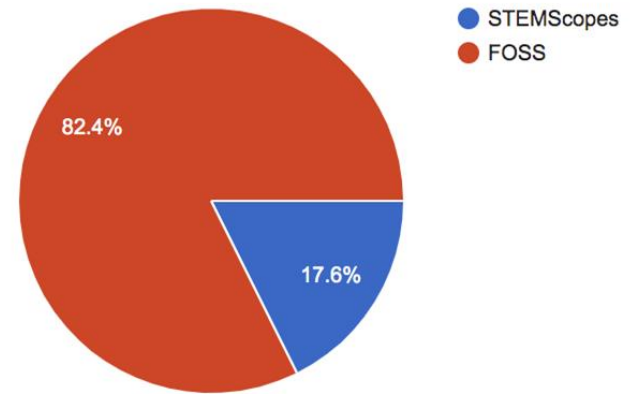
Overall, which curriculum is the strongest in the category of Language, Literacy, and Common Core Connections?



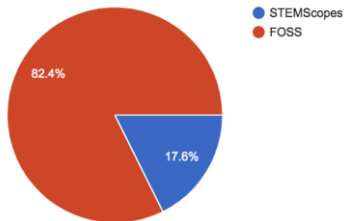
Overall, which curriculum is the strongest in the category of Equity?



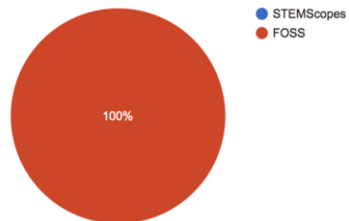
Overall - Which curriculum would you recommend?



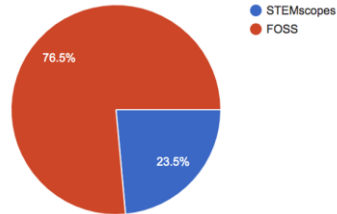
Overall, which curriculum is the strongest in the category of Student Materials?



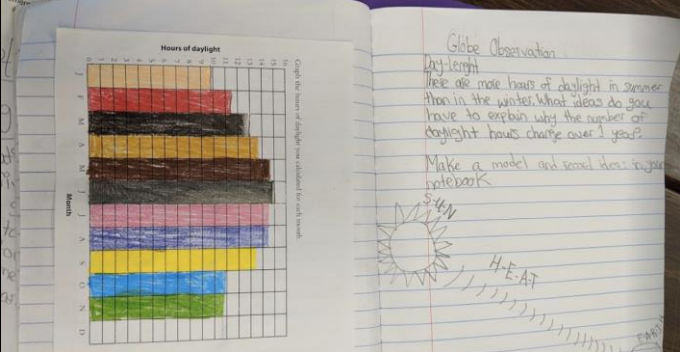
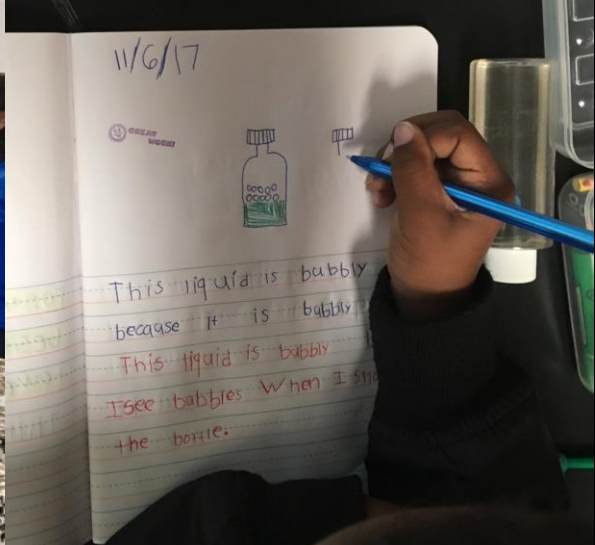
Overall, which curriculum is the strongest in the category of Assessments?



Overall, which curriculum is the strongest in the category of Usability?







# What does FOSS Purchase include?



OAKLAND UNIFIED  
SCHOOL DISTRICT  
Community Schools, Thriving Students



- Investigation (Teacher) Guides
- Student Textbooks (in English or Spanish)
- Materials for 5 classes
- Digital Resources
- Assessment System
- Teaching slides (editable)
- Teacher Preparation Videos
- Live Organisms
- 36 hours of Professional Development







# Fiscal Impact

One-time cost: \$692,574.62

(3 installments: \$230,858.21/ year for 3 years)

Annual cost of  
consumables: \$50,000/ year

**Cost of 3 yr  
Purchase  
Agreement** **\$842,574.62**

**Cost of 8 yr  
Adoption** **\$1,042,574.62**

**...or, \$18.61 per middle school student, per year**

Comparison - Other Science  
Curricula ( 8 years)

- STEMscopes: \$3,236,294.75

Comparison - Other OUSD MS  
Curricula ( 8 years)

- MS History: \$1,058,584.55

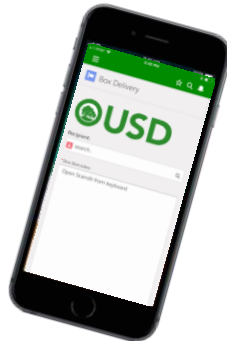
- MS Math: \$938,236.20



# Implementation Support

## Instructional Materials

- Centrally maintained
- High Schools Interns refurbish kits every summer
- Online system for tracking boxes
- App for requesting missing or broken materials



## Training

**GOAL: 100% TEACHERS TRAINED BY DECEMBER 2019**

- June & August Institutes
- Online teacher preparation video for every single lesson

## Ongoing Support

- Monthly PD by grade levels
- Buy Back Days
- On-site Science Teacher Leaders
- Principal PD