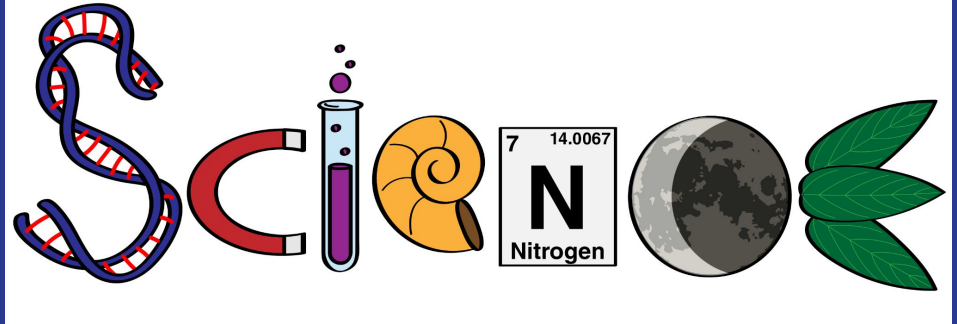




LINCOLN COUNTY
SCHOOL DISTRICT

Science Adoption

LCSD School Board Presentation
March 12, 2024



LCSD Science Curriculum Adoption Team



- 4 Specialists (ELD and Behavior, Special Education, Technology, and Mentor)
- 1 Representative from the Confederated Tribes of the Siletz Indians
- 1 Representative from HMSC
- 7 Secondary Science Teachers
- Teachers from all four areas and secondary buildings served on the adoption committee.

Committee Members: Aaron Belloni, Ben Ewing, Colton Blaser, Nat Richman, Ale Turnbull, Sara Pursel, Peter Herrmann, Jerry Guthrie, Janice Venture, Natalia Aguilar, Mary Crawford-Roberts, Laura Blair, Tracy Crews, Peter Hatch

Identification of Priorities



- Review of district mission and vision
- LCSD Science Program Review
- Discussion around need for cultural awareness in curriculum

Evaluation Criteria

Oregon Instructional Material Evaluation Tool (OR-IMET) Summary	
Science (2024-2031)	
Overall Rating	
Publisher:	
Title:	
Publishing Date:	
Category:	
Review Date:	
Legal Requirements	
Part 1: Oregon Science Baseline Criteria	
Rating	
Criterion 1.1 Alignment to Three-Dimensional (3D) Learning	
Criterion 1.2 Science Phenomena & Engineering Design-Based Engagement	
Criterion 1.3 Learning Progressions & Coherent Storylines	
Part 2: Equitable Student Engagement and Cultural Pedagogy Criteria	
Rating	
Criterion 2.1 Engagement & Motivation	
Criterion 2.2 Culturally Responsive Instructional Support	
Part 3: Technical Usability Criteria	
Rating	
Criterion 3.1 Supports for Teachers	
Criterion 3.2 Supports for Students	
Criterion 3.3 Digital Learning Design Elements*	
Part 4: Assessment Criteria	
Rating	
Criterion 4.1 Formative Assessment Process	
Criterion 4.2 Performance Assessments	
Criterion 4.3 Integrated Assessment System*	
Overall Rating	

*This criterion is not required. Quality indicators are provided for evaluation if digital

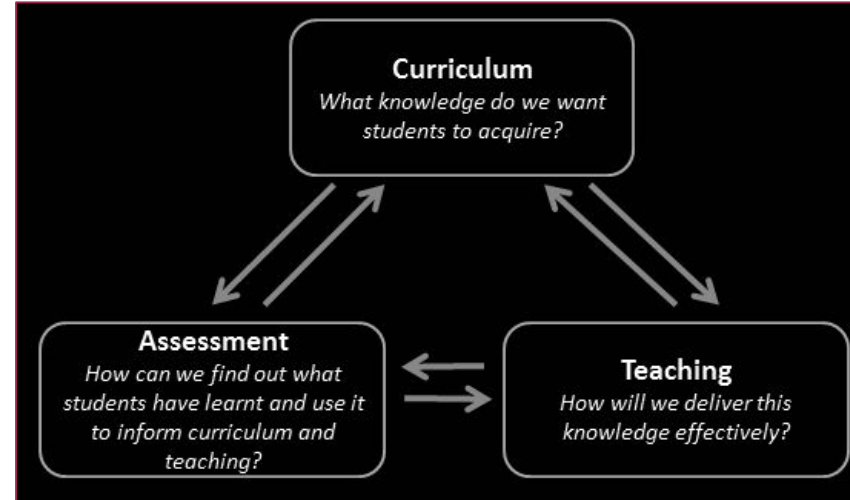
- Review of ODE provided rubric
- Agreement of priority standards
- Review and rating of scores for individual curricula

What curricula to pilot?

Wanted to pilot 3 for MS & HS

Using ODE Instructional Materials Evaluation Tool (IMET):

- Step 1 - Removed curricula not approved
- Step 2 - Reviewed priority criteria on IMET Tool
 - **2.1 Engagement and Motivation**
 - **2.2 Culturally Responsive Instructional Support**
 - **3.2 Supports for Students**
 - **3.3 Digital Learning Design Elements**
- Step 3 - Revisited any “1” scores on our lower priority IMET standards
 - **3.1 Supports for Teachers**
 - **4.2 Performance Assessments**
 - Resulted in keeping Stile and Twig in the mix (both received a “1” in one assessment standard)



Step 2 - Piloting & Data Collection

- December 2023 through February 2024
 - each curriculum piloted in classrooms
- Teacher & Student feedback collected



Step 3 - Curriculum Selection

- Reconvened pilot teachers
- Reviewed priority criteria
- Reviewed each Curriculum Evaluation Tool submitted by pilot teachers
- Analyzed student data and feedback
- Made final decision on selected curriculum



Middle School - Curricula Piloted

Stile Education



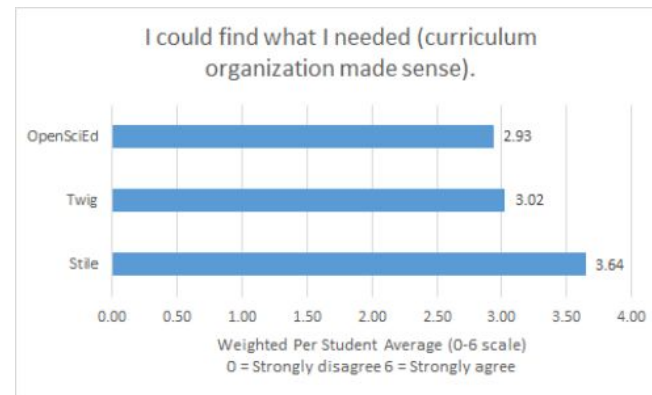
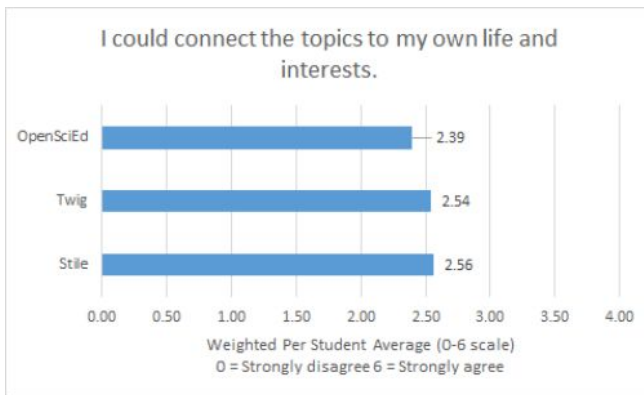
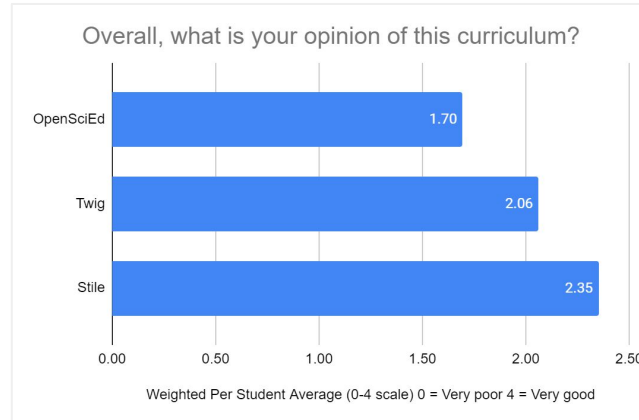
Twig



OpenSciEd with Activate Learning



Middle School - Student Data



Middle School Curriculum Request Upon Evaluation

- The process led the team to recommend **Stile Education** for adoption
 - Most apt resource to meet the needs of all learners and staff
 - Ability to update throughout the next 6-years
 - Multiple languages available
 - Media rich
 - US headquarters in Portland

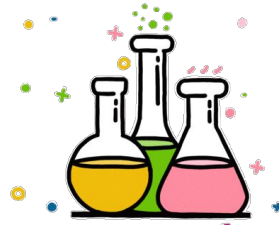
The logo for Stile Education, featuring the word "Stile" in a large, bold, rounded, light blue font.

Middle School Request to the Board

Core Materials Adoption Cost: \$155,000

Adoption of Stile Includes

1. Student Digital Licenses - 6 years
2. Stile-X workbooks, per unit, per grade
3. Two Digital Teacher Stile Licenses per building, per grade
4. Lab Kits: per unit, per grade
5. Professional Development



High School - Curricula Piloted

McGraw Hill

Mc
Graw
Hill

SAVVAS

SAVVAS

Accelerate Learning

AccelerateLEARNING

High School Student Feedback - McGraw Hill

Chemistry:

“Hard to understand what the questions are asking. I understand that they want a specific answer. The questions are worded so that lots of things would work but it is unclear what they are looking for.”



Biology

Positive: Format was easy to follow and visuals were helpful.

Negative: Instructions were overblown and difficult to figure out what was supposed to be present.

Teacher Perspective: in general, students find the Reading Essentials helpful but these are only available for Biology and not other subjects.

High School Student Feedback - SAVVAS

SAVVAS

Chemistry

Positive:

- Not too cluttered
- Good analogy that helps me understand concepts.
- Highlights important information well.
- Colors are easy on the eyes and not over/underwhelming lead me to the right information
- Motion lines which are actually really nice and make collision reactions make sense
- Walk through labs with pictures to show individual steps.
- Has a molecular view of some reactions as well.
- Table of contents shows specific parts of the chapter rather than just the broad subject.



Negative:

- Some Graphs don't have lines or unit values to help understand them better.(still get the point across)
- Flimsy pages (hard cover available)
- Lots of reused photos.

Biology

Positive: “I did what I thought it was asking.” “I think I get it.”

Negative: “I don’t understand what this is saying” “Pictures would be helpful.”

Teacher perspective: the assignment required students to apply their learning to a new situation and there were multiple ways to interpret the directions. Teacher prompting allowed students to interpret questions better.



High School Student Feedback - Accelerate Learning

Chemistry:

Positive:

“I think the multiple choice questions were good because it made it less complicated.”

Negative:

“The questions were mediocre because they didn’t explain them thoroughly enough, for example, they did not explain the meaning behind the words they were asking.”

“The questions were okay. I would've liked the multiple choice to be more difficult.”



Biology

Positive: “This is easy.” “I know exactly what to do.” “I’ve used things like this in middle school.”

Negative: “Why is this talking about Shakespeare?” “I don’t understand what Shakespeare has to do with Biology.” “This is boring.”

Teacher perspective: questions did not activate student higher level thinking, but the tie in to their English class was a great conversation starter. Students may have a bias from seeing similar materials in middle school and some reacted negatively due to the format.

High School Curriculum Request Upon Evaluation

- The process led the team to recommend **SAVVAS** for adoption
 - Most robust materials both online and in print including detailed Teacher's Edition
 - Differentiated materials including labs plus suggested activities for diverse learners
 - More opportunities for students to bring in individual experiences than other options
 - Workbook options could benefit all learners
 - More Spanish and other language options
 - Visually appealing for students
 - Lab kits for some subjects

The logo for SAVVAS realize features the word "SAVVAS" in a bold, black, sans-serif font. Below it, the word "realize" is written in a lowercase, bold, black, sans-serif font. Above the letter "i" in "realize" are three small circles in green, red, and blue. A small "TM" trademark symbol is located to the right of the word "realize".

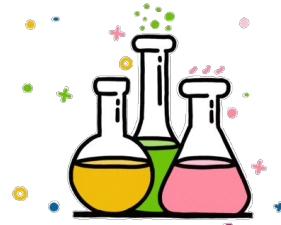
SAVVAS
realize™

LCSD Request to the Board

Core Materials Adoption Cost: \$157,000

Adoption of Savvas Includes

1. Student Digital Licenses - 6 years
2. Classroom sets of texts (including some Spanish Biology texts)
3. Two Teacher's Editions per building, per grade
4. One Digital Teacher License per building, per grade
5. Initial Lab Kits for Chemistry
6. Professional Development



Next Steps for Adoption

- Materials Preview Period (texts) for community feedback
- Science Cadre meet and align scope and sequence and resource integration
- Provide ongoing professional development for staff in use of materials and resources

