

## **Agenda**

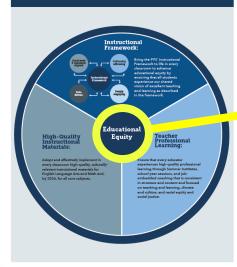
- 1. Background
- 1. Overview of AIR Committee and Field Test Process and Results
  - a. Community Engagement
- 1. Recommendation

# **Our Why: Educational Equity**



PPS is committed to providing all students with high-quality teaching and learning in every classroom, every day - instruction that helps them achieve our Graduate Portrait and closes persistent gaps in outcomes based on race.

In partnership with teachers, school leaders, and staff from across the district, we're taking several important steps to make this vision a reality for all students: calibrating around a new instructional framework that articulates a shared vision of highly effective teaching and learning, adopting new curricula to support that instruction, and offering improved professional learning experiences for teachers aligned to both.





Raising the achievement of all students while (1) eliminating the gaps between the lowest and highest performing students and (2) eliminating the racial predictability and disproportionality of which student groups occupy the highest and lowest achievement categories.

## K - 12 Science Education for Every Student: The Vision

"Equity in science education requires that all students are provided with equitable opportunities to learn science and become engaged in science and engineering practices; with access to quality space, equipment, and teachers to support and motivate that learning and engagement; and adequate time spent on science. In addition, the issue of connecting to students' interests and experiences is particularly important for broadening participation in science." (NRC, 2012).



### **Current Core K - 5 Science Materials**

K - 5 Science in PPS is taught in rotation with Health and Social Studies during a 45 - 60 minute block of the school day. In October 2021, the Oregon Department of Education adopted updated science standards for K - 12 instruction. These are what we know as Next Generation Science Standards, common referred to as NGSS.

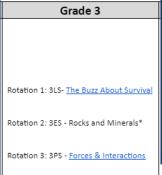
Vision for Science Education in Oregon

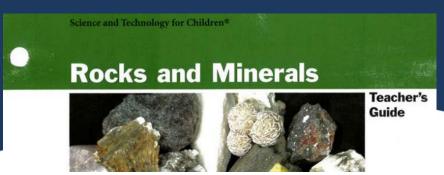
AND SCIENCE EDUCATION

Figure 1

Our current Science instructional resources are partially standards aligned. Each grade level is assigned 3 units of study per school year. Two of the three are standards aligned. The third unit is more than 20 years old, and as such, not NGS aligned.







## 5th Grade Science OSAS Data

State Achievement by Race: Next Gen Science [All Years]



## **Timeline Overview**

Feb. - Mar. 2023

Apr. - May 2023

May 2023

Aug. 23 - Feb. 24

April 2024

Professional Learning and Evaluation Tool Consensus

Initial Materials
Evaluation

Vendor Presentations

Field Test Vendors Selected

- Amplify
- TWIG
- Carolina Smithsonian

K-5 Science Field Tes

- Professional Learning
- Evaluations
- Community
  Engagement
- Final AIR committee Meeting

Materials

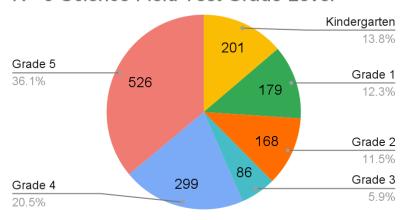
Recommendation to School Board

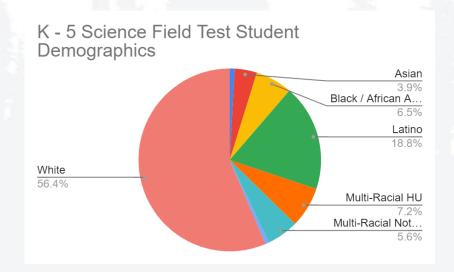
# **K - 5 Science Field Test Participation**

•	ng Schools (34) DLI (8)	Number of Educators/Grade Level/Program				
Access *Ainsworth Astor *Atkinson *Beach Beverly Cleary Bridger Creative Science Buckman Chapman Creston Faubion Forest Park Glencoe Hayhurst Irvington Laurelhurst	Lewis Llewellyn Marysville Peninsula *Richmond Rieke *Rigler *Rose City Park Sabin *Scott Skyline Stephenson Vernon Vestal Whitman Winterhaven *Woodstock	Kindergarten - 8 First Grade - 6 Second Grade - 7 Third Grade - 4* Fourth Grade - 12* Fifth Grade - 20* SPED - 1 DLI - 9 *includes 3-4 or 4-5 split				

# Students Included in the Field Test

K - 5 Science Field Test Grade Level





# **Overall Data (live link)**

## **Amplify**Science

	Amplify	Carolina Smithsonian	TWIG Science				Amplify	Carolina Smithsonian	TWIG Science	
Field Test Data				K-5	Science F	amily Night Data	% reflects the r	number of particpants that r	anked the	
Lesson Observations	Amplify Lesson Observation Data	Carolina Lesson Observation Data	TWIG Lesson Observation Data	Ехре	Expectations & Anticipation		84%	60%	44%	
				Cont	Content Relevance		57%	79%	53%	
Scored Student Artifacts	Amplify Student Artifacts	Carolina Student Artifacts	TWIG Student Artifacts	Enga	Engagement Potential		81%	66%	33%	
				Com	Communications & Support Expectations		57%	79%	53%	
Educator Evaluation Results (overall)	Amplify Summary Data	<u>Carolina Summary</u> <u>Data</u>	TWIG Summary Data							
Part 1 (Oregon Baseline Criteria)	2.76	2.48	2.22							
Part 2 (Equitable Student Engagment and Cultural Pedagogy Criteria)	2.58	2.11	2.01							
Part 3 (Technical Usability Criteria)	2.60	2.19	2.07							
Part 4 (Assessment Criteria)	2.68	2.18	2.13							
Field Test Educator Final recommendation (weighted average - 5, 3, 1)	21.44	17.44	14.11							
Overall respondents: (Submitted/Expected)	19/24	19/27	16/23							

## **AIR Committee Elevator Speech**

The **recommendation** being delivered to Kristina Howard, Interim Chief Academic Officer regarding the K-5 Science adoption is Amplify Science Instructional Materials. This recommendation was made after extensive research into 12 different curricula. The Advisors on Instructional Resources Committee and Field Test Educators recommend Amplify for its strong instructional practices, student discourse, alignment to NGSS instruction and scaffolds for our students receiving special education services and Multi- language learners. We are excited for the future of Science in Portland Public Schools and are committed to the successful implementation of Amplify and the anticipated success of our students.

#### March 2024

- Recommendation considered and confirmed by Kristina Howard
- Science Curriculum approved by board

### April - May 2024

- Finalize Contract & Order Curriculum
- Ongoing communication with school based staff on PDs & Implementation
- Communicate Pacing Guides, Scope & Sequence and Master Schedule Guidance

June & August 2024 Initial Teacher Training

#### Sept 2024- June 2027

 Ongoing support to ensure integrity of implementation

### Thank you for your time and commitment to PPS students!

If you have any questions please contact:

Patrice Woods (pwoods@pps.net), Director of K - 5 Mathematics and Science

Diana Kruger (<u>dkruger@pps.net</u>), Program Administrator for K - 5 Science and Social Studies

