



PORTLAND PUBLIC SCHOOLS



**OTIS**

**Office of Technology & Information Services**

Prepared for: School Improvement Bond Committee - March 04, 2021

Presented by: Don Wolff, Chief Technology Officer  
Dr. Travis Paakki, Senior Director, Technical Operations



## Bond 2020 Technology Plan

### Overall components and budget allocations

- Infrastructure and Security - \$38,000,000
- Device Refresh and Replacement - \$31,000,000
- Classroom Modernization - \$25,000,000
- ERP Replacement Planning - \$11,000,000
- Program Administration - \$23,200,000
- **Total Bond Funding - \$128,200,000**



### Infrastructure and Security

- Wireless upgrades
- Data center server refresh
- Phone system upgrade
- Security focused dashboard
- New handsets across district
- Security remediation
- Internal firewalls
- Security assessment
- School switch replacements
- Fiber interconnects upgrades
- Data center switch replacements

### Device Refresh and Replacement

- Gr. 3-12 1:1 - 37,700
- Classroom teachers - 4,100
- Licensed staff - 800
- Support staff - 450
- Gr. Pk-2 & Asst. Tech.- 8,000
- Administrators - 350

### Classroom Modernization

- Wireless access point
- Mounted projector
- Desktop computer
- Voice amplification
- Wireless display
- Projection surface

### ERP Replacement

- Business process analysis
- Business requirements development
- Architecture development
- RFP development



## Bond 2020 Technology Management

### Project management and leadership

- OTIS - Don Wolff, CTO :: Travis Paakki, Sr. Director of Technical Ops :: Mark Lancaster, Director Network and Telecommunications
- OSM - Eric Naes, OSM Liaison for Technology
- NIS - Technical Project Management contractor
- Jennifer Clark, contracted project manager Device Replacement and Classroom Modernization
- Other project managers and contractors will be brought on more projects launch



# Why is this investment needed?

## Inquisitive Critical Thinkers with Deep Core Knowledge

They are also effective users of digital technology and the growing abundance of artificial intelligence tools, technology-based devices that simulate human processes such as speech and pattern recognition, seeing, speaking, learning, and analyzing, to enhance human abilities to solve problems.



**Inclusive and Collaborative Problem Solvers**

**Inquisitive Critical Thinkers with Deep Core Knowledge**

**Transformative Racial Equity Leaders**

**Resilient and Adaptable Lifelong Learners**

**Powerful and Effective Communicators**

**Positive, Confident, and Connected Sense of Self**



## Powerful and Effective Communicators

They can select and use multiple communication tools to convey ideas and information in writing and through video and audio recordings, digital technology, augmented reality, storytelling, debate, and other forms of expression such as individual and group performing arts and artistic compositions.



**Optimistic, Future-Oriented Graduates**

**Reflective, Empathetic, and Empowering Graduates**

**Influential and Informed Global Stewards**

## Influential and Informed Global Stewards

Students know how to use technology to collaborate on project teams with diverse peers locally, nationally, and globally.





## Pilot Process: Classroom Modernization and Infrastructure César Chávez and Boise-Eliot/Humboldt

- Complete full classroom modernization and infrastructure improvements
  - Project to begin in Late-Winter/Early-Spring 2021
  - Schools selected for their challenging construction make-up
  - Use lessons learned to inform larger roll-out
- Full schedule to align with District's theory of action
  - George MS and Lane MS will be leading the way after the pilot





## Upcoming Investments

- Infrastructure and Security
  - Network switches and wireless access points (WAPs) - \$17,000,000\*
  - Security Assessment - \$250,000
- Device Refresh and Replacement
  - Teacher laptops - \$3,500,000
  - Student devices - \$3,600,000
- Classroom Modernization
  - Classroom teaching cameras - \$1,500,000
- ERP Replacement
  - Business Readiness Assessment - \$75,000
- **Total Spend - \$26,000,000\***

\*Estimated dollar amount, bids closing on March 4, 2021



## Projects on the Move

- Classroom Modernization and Infrastructure Pilot
  - Boise-Eliot and César Chávez - Full implementation of both project scopes
- Student Device Refresh
  - Student devices for Fall 2021
- Security Assessment -
  - Late-Winter/Early-Spring
- ERP Replacement
  - Kick-off Tuesday March, 2 with Multnomah County





## Bond 2020 Technology Timeline

Completion times for projects:

- Infrastructure and Security - Fall 2025
- Device Refresh and Replacement - Winter of 2022
- Classroom Modernization - Fall of 2025
- ERP Replacement Planning - Fall of 2025