



# Pittsburgh Public Schools

## Our Strategic Plan, Recent Technology Investments and Next Steps

*Office of Information and Technology*

January 7<sup>th</sup>, 2019

To support our Strategic Plan, our Executive Team made early plans to prepare for what we knew our schools would need to support our academic goals.

This also supports the Every Student Succeeds Act, which post-dated our Strategic Plan.

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**The technical investments over the past 2 years, have been aimed to support our Strategic Plan and establish a standard for all instruction and all schools.**

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Expect great things. 

# Agenda:

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1. Classroom Hardware Investments
2. Operational Improvement
3. Better Security and Student Access Experiences
4. Maintaining our Investments
5. What's Next?
6. Questions



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Expect great things.

In 2016 we created a **Technology Fund** in preparation of the anticipated capital expenses for hardware and software.

- All K-8 Math and ELA classrooms equipped 6 computers per classroom (2017/2018 investments) - *\$1.1 million total investment*
- All 9-12 schools equipped with a 1-to-3 laptop ratio based on enrollment (2018/2019 investments) - *\$900k total investment*
- All of these investments have been in addition to school-based purchases and existing equipment



Expect great things.

**By leveraging the **Technology Fund**, the Office of Information and Technology has been able to make parallel investments from our existing budget to support our growth in 21<sup>st</sup> Century Learning Capabilities.\***

\* Defined in ESSA

Expect great things. 

# Technology Update:

# *Operational Investments...*

## 1) Additional Wireless and Network Infrastructure

- *Now Supporting Over 3200 Wireless Access Points*

## 2) Transition to Office 365 for all Staff and Students

- *Now Supporting Accounts and Services for ALL employees and students*

## 3) Increase our computer lab and CTE computer capacity.

- *All computer labs have been refreshed and CTE has added new labs.*

## 4) Established 21<sup>st</sup> Century Norms in Student Accounts and Tools access

- *Better security standards that leverage better access*



Expect great things.

What we have been able to establish:

**Refreshed hardware. Modern curriculum Software.  
Instructional Supports. Expected utilization.**

**These items alone, still required new back-end supports to help grow confidence in our investments and better student security.**



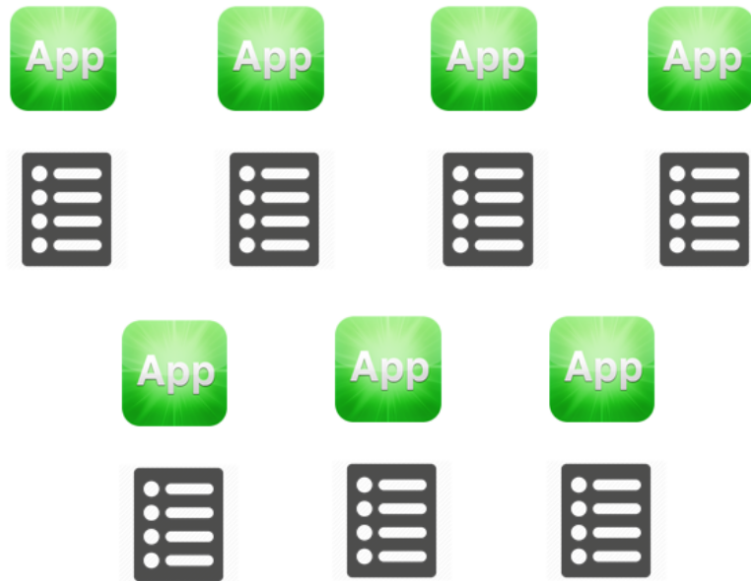
**Expect great things.**

# Technology Update:

# Modeling Better Security

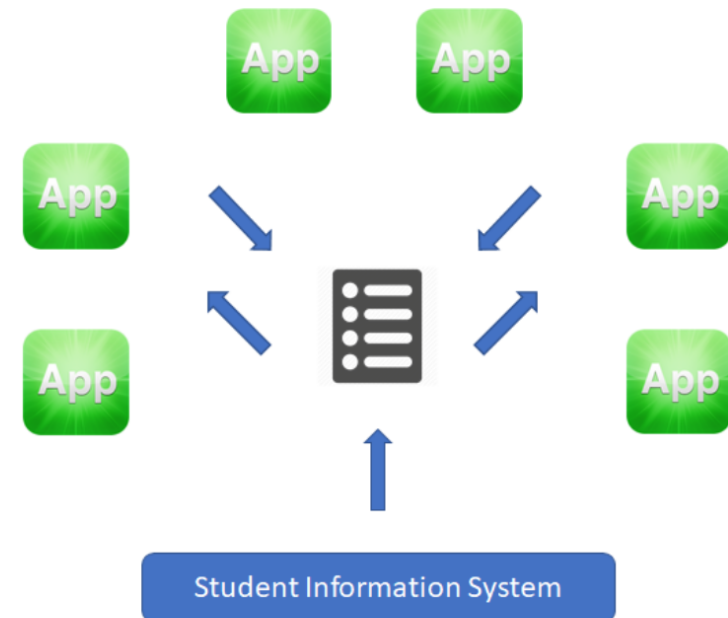
**Then:**

*Independent* Data Files



**Now:**

*Integrated* Data File



Expect great things. 



# Technology Update:

## *Expected Access*

### ***Then:***

- Generic passwords everywhere.
- No year-to-year continuity.
- Little out of school access.
- Little summer use access.

### ***Now:***

- User identities start in Kindergarten
- Year-to-year access and data is real.
- Out of school access is available.
- Used in Little Dreamers, Summer Dreamers and for personal access.



**Expect great things.**

## Purchasing and Leasing Norms:

1. Budgeting goal is to **BUY** instructional hardware every 4 years so that we can set expectations for our principals, teachers and schools.
2. Budgeting goal is to **LEASE** infrastructure every 5 years with the plan of carrying that investment for 6-8 years.
3. Aiming to establish a 3 year Curriculum software evaluation cycle with tight Program Evaluation used to determine replacements.



Expect great things.

**Keep moving forward:**

- 1. Continue to reduce the amount of educational software we support.**
- 2. Seek a sound single sign-on service to simplify student access.**
- 3. Increasing parent communication and access for all applications**
- 4. Gaining efficiencies in our Business Operations through our Peoplesoft replacement going live in 2020.**



**Expect great things.**



# Thank You. Questions?