

# 1:1 Technology Integration

Parents Advisory Committee  
January 28, 2021



A purple location pin icon with the word "Intro" inside, set against a background of a textured, light-colored surface.

Intro

# Introduction

The pandemic has underscored the need for the district to move forward with consistent technology access for all students and the need for a more robust training model in blended teaching strategies for our staff.

While all students have some access to technology in our current situation, we are not 1:1. A true 1:1 experience is where the district provides devices to all students and is able to support them equally. It has been difficult to support the variety of personal devices in use.



# Background

- Technology training opportunities prior to the pandemic existed during optional Summer Academy sessions for staff each summer. Canvas, Google Apps, and other Technology Boot Camps have been offered for years.



- The **Digital Cohort Project** launched in 2016. Over 70 current teachers have received trainings on best technology integration practices, collaboration, and digital tools over three consecutive school years. Digital Cohort participants also received Chromebooks for their classrooms.

# Background

- While the **Information Technology** and **Curriculum, Instruction, & Assessment** departments worked frantically to provide access to all students to work from home, the reality is that resources were stretched thin. Over the summer, the district worked to train teachers in technology integration strategies and tools that were available. Additional Chromebooks were ordered, but due to high demand, delivery was delayed. This meant we had to start the school year with many students in need of devices. Thankfully, at this time, all students requesting devices should now have them with older devices currently being replaced.

# Introduction

- School districts that have been **most successful** at 1:1 integration typically have a 1-2 year plan. For Central Dauphin, the pandemic accelerated the need to roll out devices and a need to plan for a future of possible rolling closures. Many districts can claim 1:1, but without training for staff in best blended learning practices and integration, the technology is not used to the fullest potential.
- Many districts around us were already 1:1, or in the process of becoming 1:1 before the pandemic, making the transition during the shutdown easier for them. By being a 1:1 district, or 1:1 at some level, we will be better prepared if this happens again.

# Benefits of 1:1

Benefits beyond the pandemic:

- Additional supports and differentiation for our varied learners. Lessons, tools, and resources available 24/7.
- Consistent and equal technology for all students for a more reliable experience. A true 1:1 experience is where the district provides devices to all students and is able to support them equally. **Our current situation is not 1:1.**
- Provide teachers with more strategies to support learning outcomes with high effect sizes.
- Technology tools can provide immediate feedback and support for students.
- Possible vast reduction in our paper and printing needs. More resources to purchase and maintain technology.
- Reduced need for computer labs at the secondary level- opening up space for classrooms.



# **First Steps- Fall 2020**

- **Begin asking questions:**
  - **Where should we logically start the 1:1 initiative?**
  - **Will we need to consider an insurance option for parents on the devices?**
  - **How will staff training be addressed for 1:1 teachers?**
  - **How will the Digital Cohort continue?**
  - **How will we create financial sustainability for the integration?**
  - **What LMS platform(s) and formats should we be using with common resources & templates?**
  - **Can we purchase several digital instructional tools?**
  - **Will CORE continue?**



# **What is the plan for other grade levels?**

- Roll out more Chromebooks to the elementary and middle schools when possible.
- Continue training for all staff in best integration practices.
- Look to include more grades in 1:1
- Examine instructional tools for staff.





# Software Programs & Platforms

- The district has two Learning Management System (LMS) platforms:

- **Google Classroom** (K-5)



- **Canvas** (6-12)

*(some teachers are using Google Classroom in 6-12)*

- **SeeSaw** is a K-2 platform used by some teachers to house assignments.



Everything else in use is considered an instructional tool



# Software Programs & Platforms

- Commonly used productivity tools:
  - **Google Apps for Education**- Docs, Sheets, Forms, Slides.
  - **Microsoft Applications**- The common Microsoft tools, plus Teams



# Software Programs & Platforms

- Video Conference Tools:
  - **Zoom**- widely used, a target for outside disruptions
  - **Microsoft Teams**- part of our Office 365 suite, easy integration in Canvas, getting better every day



# Software Programs & Platforms

- Other Popular Tools:
  - **Nearpod**- A presentation tool, like PowerPoint with interactive tools for students. Great for instant feedback.
  - **Edpuzzle**- Lets any video be a lesson by adding questions and text to the video.
  - **Kahoot!**- A fun quiz tool that credits accuracy and speed.
  - **Padlet**- A digital bulletin board for posting content.
  - **FlipGrid**- Allows students to video record responses.