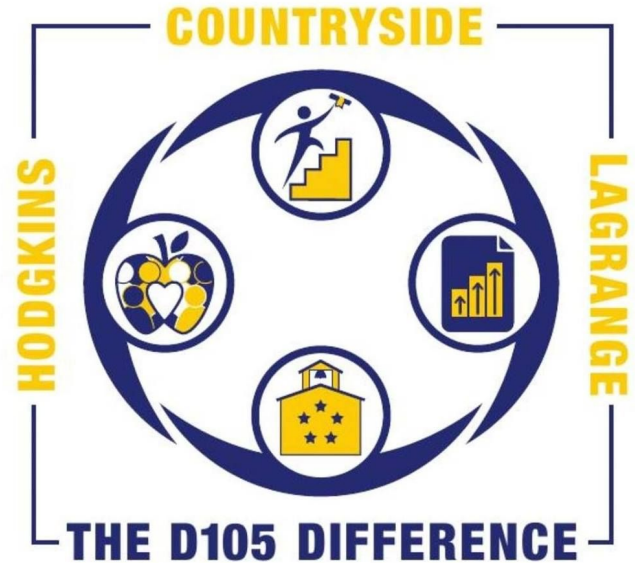


La Grange School District 105

Technology Report
April 24th, 2023



Tech Planning Committee – Members

Committee Members	
Martin Almeida – IT Software Security Specialist	Trish Murphy – Director of Technology
Alex Casey – Gurrie Teacher	Cathy Nestlinger – Library Media Specialist
Israel Diaz – Desktop Technician	Barb Hobe- Library Media Specialist
Kathryn Heeke – Curriculum Director	Amy Read – Spring Ave. Principal
Joanna Marek – Library Media Specialist	Tracy Renaghan – Library Media Specialist
Jim McMahon – Database and Systems Administrator	Sylwia Zalewska – Gurrie Teacher



BrightBytes

- District 105 partnered with BrightBytes, an educational research and analytics company, (beginning in 2016) to gather information on how our teachers, parents and students use technology.
 - BrightBytes was purchased by Google in October 2022
- This year we conducted the Modern Learning (MLS) Survey for the first time, previously utilized the Technology & Learning (T&L) Survey (2016-2022).



BrightBytes - Crosswalk

- BrightBytes T&L Survey uses the CASE framework to group the factors into categories: **Classroom, Access, Skills & Environment.**
- BrightBytes MLS Survey groups the factors into the following categories: **Access, Support, Instruction, SEL, Skills & PD**
 - The components that make up the framework all are essential factors needed for successful implementation of technology in the classroom.

* CASE Overall Score is being depreciated so we will no longer be utilizing this data point

Technology Planning – Discussion

- During the 2022-23 school year we focused on our growth opportunities that presented in both Classroom and Environment domains; these areas continued to be a primary focus during our technology planning process this year due to the timing of the MLS collection window (March 2023).
 - Classroom: Teacher use of the 4Cs (Communication, Collaboration, Critical Thinking and Creativity) and Digital Citizenship
 - Environment: The 3Ps (Policies, Procedures and Practices) and Professional Learning



Technology Planning – GAN Discussion

- Classroom: Teacher use of the 4Cs (Communication, Collaboration, Critical Thinking and Creativity) and Digital Citizenship

Priority Data Point(s)	Actionable Goal (measurable & time-bound)	Actions to support goal (Insights)
Teacher use of the 4c's- Communication, Collaboration, Creativity and Critical Thinking	Prioritize a focus on Digital Classroom Management for the 2023-2024 school year. This is important before effectively moving student 4Cs forward and it is aligned to the Strategic Plan Goal SEL Supportive Culture (RC and PBIS).	Analyze Strategic Planning Committee's Needs Assessment Results from 2022-23 Feedback Loop- Logical Consequences and develop next steps Teaching students to responsibly utilize technology (digital citizenship), this also includes teaching staff about tools that we have which will help them with classroom management such as Hapara



BrightBytes – 2023 Survey Results- Initial Look

- Does our community feel safe participating in online environments?
 - Do our students feel safe learning in online environments?

PERCEPTIONS OF STUDENTS' SAFETY IN ONLINE ENVIRONMENTS

Students Details

696 Responses

- 62% Always (432)
- 31% Usually (216)
- 6% Sometimes (42)
- 1% Never (7)

Teachers Details

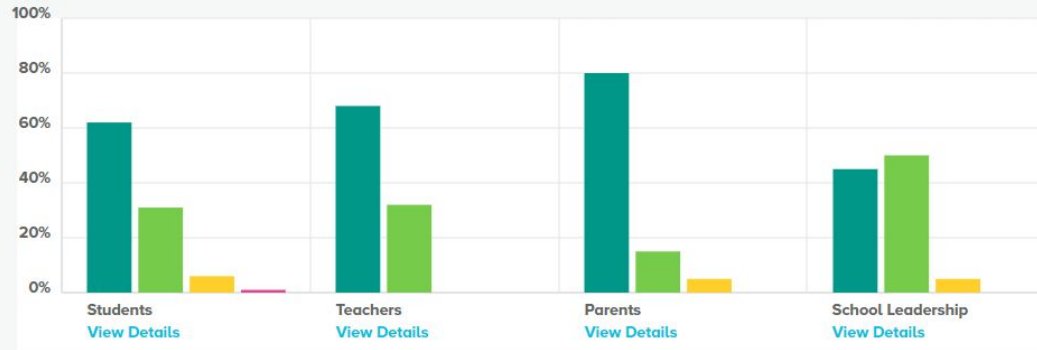
73 Responses

- 68% Always (50)
- 32% Usually (23)
- 0% Sometimes (0)
- 0% Never (0)

Teachers In thinking about the online learning you facilitate, how often are the following true: My students feel safe participating online.

Parents Think about your child's experience doing schoolwork at home: My child feels safe participating in online coursework

School Leadership In thinking about the online learning your teachers facilitate, how often are the following true: Our students feel safe participating online.



Parents Details

20 Responses

- 80% Always (16)
- 15% Usually (3)
- 5% Sometimes (1)
- 0% Never (0)

School Leadership Details

22 Responses

- 45% Always (10)
- 50% Usually (11)
- 5% Sometimes (1)
- 0% Never (0)



THE D105 DIFFERENCE

BrightBytes – 2023 Survey Results- Initial Look

- Does our community feel safe participating in online environments?
 - How often do our students learn about online safety topics?

PERCEPTIONS OF STUDENTS' SAFETY IN ONLINE ENVIRONMENTS

Students Details

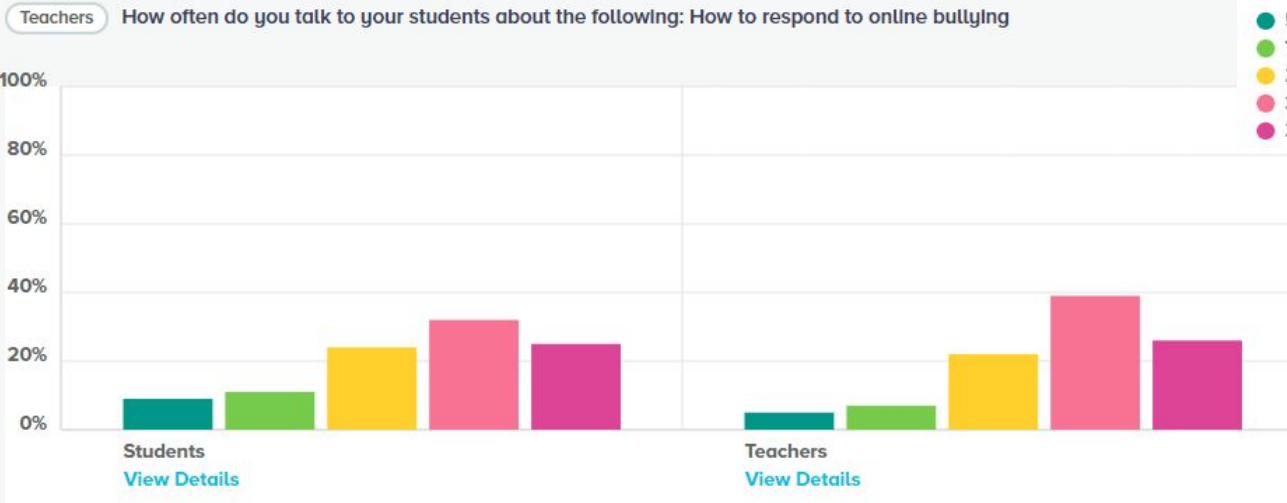
700 Responses

- 9% Daily (63)
- 11% A few times a week (77)
- 24% A few times a month (168)
- 32% Every few months (224)
- 25% Never (175)

Teachers Details

95 Responses

- 5% Daily (5)
- 7% A few times a week (7)
- 22% A few times a month (21)
- 39% Every few months (37)
- 26% Never (25)

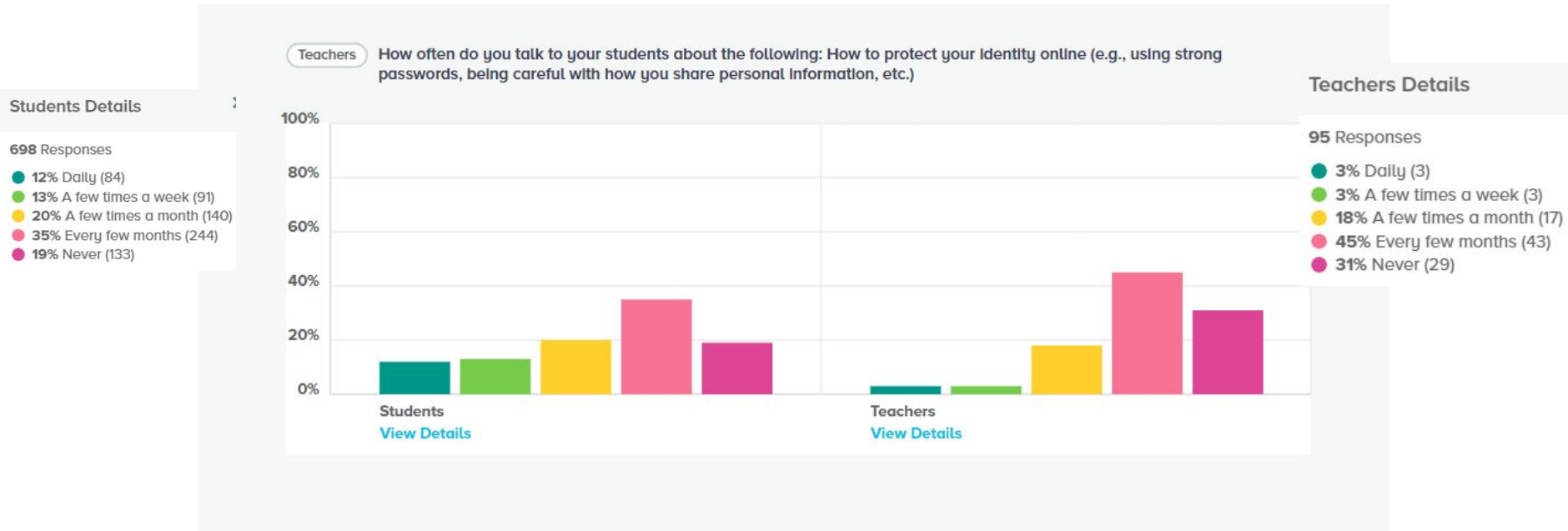


THE D105 DIFFERENCE

BrightBytes – 2023 Survey Results- Initial Look

- Does our community feel safe participating in online environments?
 - How often do our students learn about online safety topics?

PERCEPTIONS OF STUDENTS' SAFETY IN ONLINE ENVIRONMENTS



THE D105 DIFFERENCE

Technology Planning – GAN Discussion

- Environment: The 3Ps (Policies, Procedures and Practices) and Professional Learning

Priority Data Point(s)	Actionable Goal (measurable & time-bound)	Actions to support goal (Insights)
Professional Development	Investigate opportunities to embed technology PD more naturally; (i.e into C&I adoptions, SIOP etc.) ensuring it aligns with the strategic plan priorities.	Work with the district strategic planning professional development committee as they begin working with the Learning Forward standards during the 2023-2024 school year. Utilize Feedback Loop Process to develop next steps with PD Committee for 2024-2025 School Year



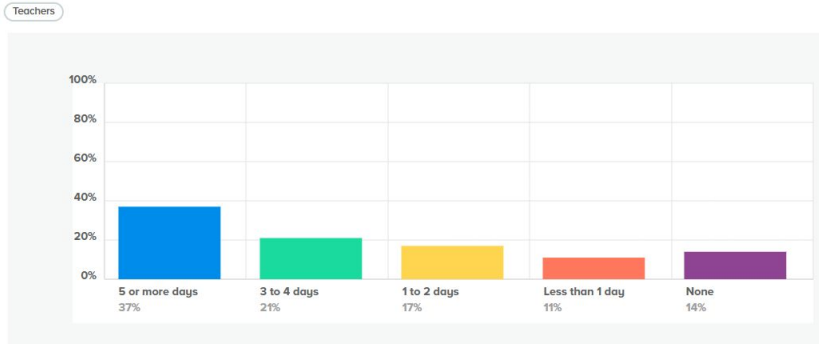
BrightBytes – 2023 Survey Results - Initial Look

- What professional development would be most beneficial to support online learning?
 - Which types of professional learning experiences have our teachers participated in most frequently?

TIME TEACHERS SPEND PARTICIPATING IN PD

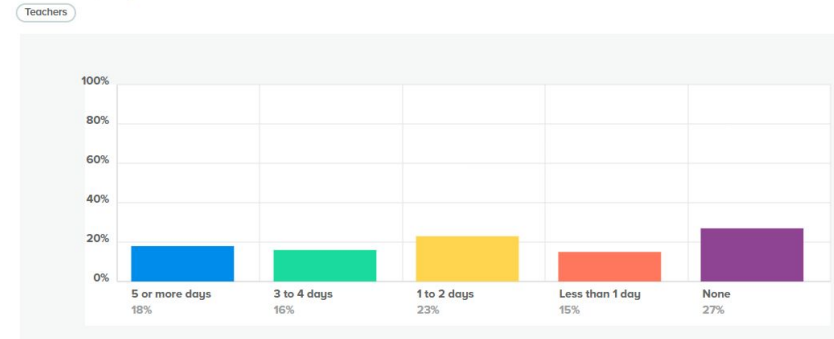
In the last 12 months, how many days have you spent participating in the following types of educational technology PD: **Formal PD** sponsored by the school or district (e.g., in-service days, mentoring, etc.)

92



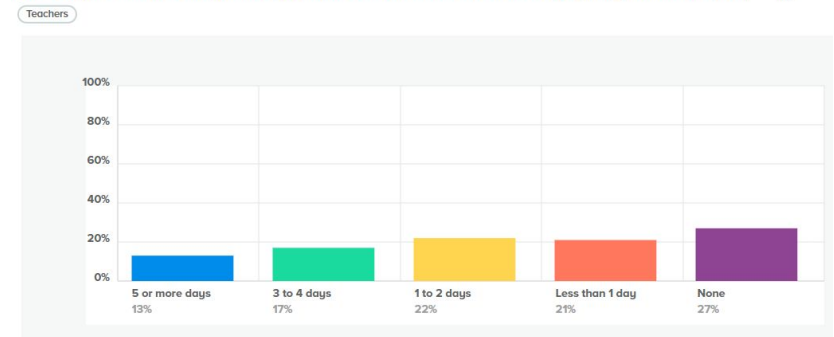
In the last 12 months, how many days have you spent participating in the following types of educational technology PD: **Formal PD** organized by someone other than the school or district (e.g., degree programs, conferences, etc.)

92



In the last 12 months, how many days have you spent participating in the following types of educational technology PD: **Informal PD** organized by someone other than the school or district (e.g., blogs, social media, etc.)

92



THE D105 DIFFERENCE

BrightBytes – 2023 Survey Results - Initial Look

- What professional development would be most beneficial to support online learning?

TEACHERS' REPORTED INTEREST IN PROFESSIONAL LEARNING TOPICS

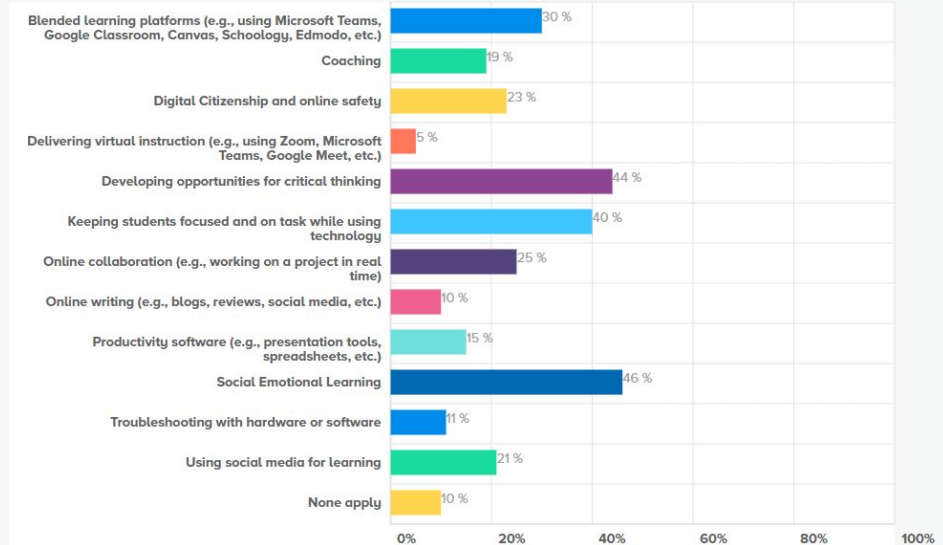
Which of the following professional development topics are you interested in?

Teachers

91

- Which professional development topics are our teachers interested in learning more about?

- SEL - 46%
- Critical thinking - 44%
- Keeping students focused and on task while using technology - 40%



THE D105 DIFFERENCE

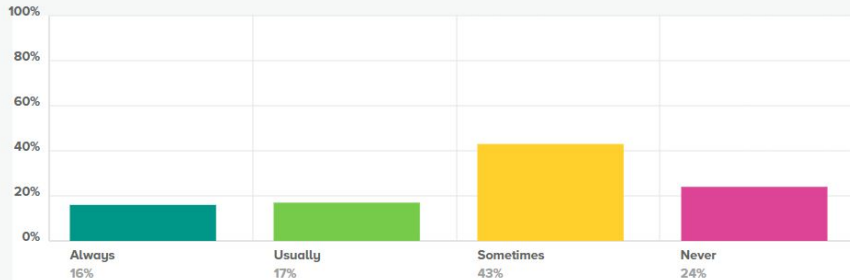
BrightBytes – 2023 Survey Results - Initial Look

- What professional development would be most beneficial to support online learning?
 - How often do our teachers curate and create online resources?

TEACHERS' FREQUENCY OF CURATING DIGITAL RESOURCES AND CREATING ONLINE CONTENT

How often do you do the following: I **create digital** resources for my students (e.g., instructional videos, HyperDocs, simulations, etc.)

Teachers



93

How often do you do the following: I **curate digital** resources and tools (e.g., open education resources, apps, websites, new pedagogical practices, etc.)

Teachers



93



THE D105 DIFFERENCE

Current Technology Plan - C&I Status

Deployment of Technology into Classrooms

1: 1 Chromebooks (1-8)

1:1 iPads (Kindergarten)

Document Cameras

Interactive Whiteboards

Integration of Technology throughout C&I

Assessment (IAR, MAP, ISA, Access, FastBridge, CogAT)

Collaboration (Google Apps for Education)

Communication (Zoom, Google Meet)

ELA (Read180, Newsela, RAZkids, iXL)

Fine Arts (MusicPlay Online, Flat for Education, Adobe Creative Cloud)

LMS (Google Classroom, Seesaw)

Math (iXL, ALEKS, Math180, Exemplars)

Multimedia (WeVideo, EdPuzzle)

PE (FitnessGram)

Science (DiscoveryEd, Mystery Science, PebbleGo, BrainPop, Newsela)

Social Studies (DiscoveryEd, PebbleGo, BrainPop, Newsela)

STEAM (Project Lead The Way, VEXcode, Tinkercad)



Current Technology Plan- Community Status

Projects	
Destiny Web Based Library System- Introduced 2010, e-books added 2013	Electronic Report Cards - Introduced Spring 2020 (Gurrie only)
Gurrie PowerSchool Parent Portal - Introduced 2006	Health Office Student Visit Tracking - Introduced in PowerSchool 2010
Intermediate and Middle School Assignments Posted Online - Gurrie 2005 and Intermediate 2006 via Google Classroom	Parent Computer Classes - Introduced 2015
Parent Teacher Conference Online Registration - Introduced 2018	PowerLunch - Introduced via PowerSchool 2009
Raptor Visitor Management System - Introduced 2020	Revtrak (online payments) - Introduced 2014
Secure Document Delivery System - Introduced via ParentSquare 2021	School to Home Communication - Migrated to ParentSquare 2021
Website Redesign - Upgraded 2021	



Current Technology Plan - PD Status

Ongoing Professional Development and Support

Technology Conferences - IdeaCON (Formerly ICE - Illinois Computing Educators)

Technology PD Website - Videos and Articles

Instructional Technology Training - Embedded into curriculum adoption and implementation



THE D105 DIFFERENCE

Current Technology Plan- Deployment Status

Network/Infrastructure or Support Related Projects	
Backup Solution- Implemented Veeam 2018	Copiers/MFPs - 12 Refreshed 2023
Desktop Management System - Ivanti Implemented 2015	File Server upgrades - cycle established
LAN Infrastructure - Upgraded 2018/2019 via eRate	Network Storage - Upgraded MDF 2018 and other locations 2019
Security Cameras - implemented 2013/Upgraded 2020	Technical Support - Tech Department 4.5 FTE
Technology Replacement- cycle established	Telephony System - CCM Upgraded 2021 and Moved to Managed Service
Ticket Tracking System - Implemented 2008	UPS Systems - Upgraded 2020
Wireless Network- Upgraded 2017 via eRate	



Looking Forward: 2023-2024



● Grade 6-8 Touchscreen Chromebook Pilot:

Summary:

The first goal of this pilot is to determine how supportive a touchscreen device is for student learning in D105. The second goal of this pilot is to begin to determine if/which touchscreen device would enhance classroom instruction (staff).

Anticipated Student Goals/Outcomes (based around 4Cs):

1. **Increased interactivity and collaboration:** Touchscreens allow for more natural and intuitive interaction with digital content, which can promote greater collaboration and participation among students. For example, students could work together on a touchscreen to solve a problem, annotate a document, or brainstorm ideas.
2. **Improved creativity:** Touchscreens allow for more fluid and expressive input, which can promote creativity and innovation. For example, students could use a stylus to draw, sketch, or take notes in a more natural and expressive way.
3. **Enhanced accessibility:** Touchscreens can be a more accessible option for students who may have difficulty using a keyboard or touchpad. For example, students with fine motor skill challenges may find a touchscreen easier to use.
4. **More engaging learning experiences:** Touchscreens can make learning more engaging and interactive, which can help students stay motivated and focused. For example, interactive simulations and digital manipulatives can provide a more immersive and hands-on learning experience.



Looking Forward: 2023-2024

Year 1 Major Areas Being Addressed (2023-2024 school year):

Data Warehouse and Data Dashboard	Purchases consistent with Strategic Planning goal team/committee recommendations.
Purchase Google Workspace for Education	Enhanced security analytics and protection against digital threats.
iPads/Tablets	Purchase consistent with specified replacement cycle; focus on hardware that is End-Of-Life and End-Of-Support.
Network Hardware Replacement	Purchases consistent with tech plan's 5 year replacement cycle, focus on WAN and hardware that is End-Of-Life and End-Of-Support.
Professional Development	Enhance learning through teacher PD and align with strategic planning goals.
Purchase Replacement Desktops and Laptops	Purchase consistent with tech plan's 3 year replacement cycle of student devices and 5 year replacement cycle of staff devices.
Renewal of Microsoft Licensing, Cisco Meraki, SmartNet, Tech and EdTech Software	District wide renewals are necessary each year to maintain licensing compliance and provide support.
Storage Solution	Purchase to keep up with data storage/consumption needs and consistent with tech plan's 5 year replacement cycle, focus on hardware that is End-Of-Life and End-Of-Support.
Touchscreen Chromebooks	Pilot student touchscreen Chromebooks in grades 6-8 and pilot a small group of 6-8 grade staff touchscreen Chromebooks. Purchase paraprofessionals a touchscreen Chromebooks (staff version).



THE D105 DIFFERENCE

Looking Forward: 2024-2025

Year 2 Major Areas Being Addressed (2024-2025 school year):

Backup Solution	Purchase consistent with tech plan's 5 year replacement cycle, focus on hardware that is End-Of-Life and End-Of-Support.
Network Infrastructure Replacement	Purchase consistent with tech plan's 5 year replacement cycle, focus on LAN and Wireless hardware that is End-Of-Life and End-Of-Support.
Professional Development	Enhance learning through teacher PD and align with strategic planning goals.
Purchase Replacement Desktops and Laptops	Purchase consistent with tech plan's 3 year replacement cycle of student Chromebooks 5 year replacement cycle of staff devices.
Renewal of Microsoft Licensing, Cisco Meraki, SmartNet and Tech and EdTech Software	District wide renewals are necessary each year to maintain licensing compliance and provide support.
Security Camera System	Purchase consistent with specified replacement cycle; hardware that is End-Of-Life and End-Of-Support.
Storage Solution	Purchase to keep up with data storage/consumption needs and consistent with tech plan's 5 year replacement cycle, focus on hardware that is End-Of-Life and End-Of-Support.



Proposed 2023-2024 Budget

- For FY23-24, the Technology Budget expenditures proposed total is \$1,038,798
- This budget includes an increase of \$52,042 over the FY22-23 approved budget to address major areas outlined.
- This budget includes a realignment of EdTech Software line items from the Curriculum and Instruction (C&I) Budget to the Technology Budget which re-allocates \$221,650 from C&I to Technology.



Technology Plan -Historical Budget

Year 1 (2023-2024): Requesting \$1,038,798.03

Year 2 (2024-2025): Requesting \$1,060,458.03

Budget Year	Proposed Tech Plan Budget	Actual Budget	Budget Year	Proposed Tech Plan Budget	Actual Budget
2007-2008	\$900,000	\$840,000	2016-2017	\$581,400	\$581,400
2008-2009	\$590,000	\$590,000	2017-2018	\$657,300	\$657,300
2009-2010	\$622,500	\$622,500	2018-2019	\$733,256	\$733,256
2010-2011	\$525,000	\$502,600	2019-2020	\$733,256	\$733,256
2011-2012	\$768,200	\$768,200	2020-2021	\$619,000	\$619,000
2012-2013	\$757,800	\$703,366	2021-2022	\$765,106	\$765,106
2013-2014	\$709,900	\$709,900	2022-2023	\$765,106	On Budget So Far
2014-2015	\$615,000	\$615,000	2023-2024*	\$1,038,798.03	Proposed
2015-2016	\$581,400	\$581,400	2024-2025	\$1,060,458.03	Proposed

**Note- This year \$221,650 of existing EdTech Software Licensing Budget was re-allocated from the Curriculum and Instruction Budget to the Technology Budget.*



THE D105 DIFFERENCE

Going Forward...Student Results

- **Continuing to monitor results next year:**
 - **BrightBytes Survey Data**
 - **Student Progress Data**
 - **D105 Surveys**



Questions?



THE D105 DIFFERENCE



THE D105 DIFFERENCE