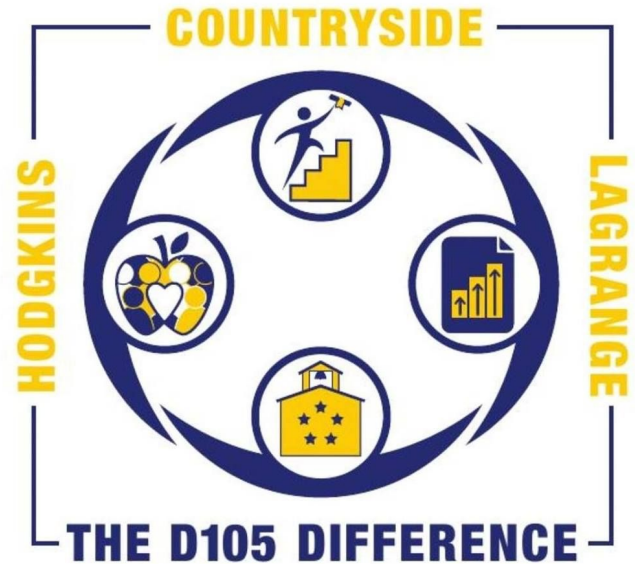


# La Grange School District 105

Technology Report  
April 25th, 2022



# 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.
- Surveys have been conducted annually 2016-2022 and we are pleased to continue to have a great response from all stakeholders.



# BrightBytes - Explained

- BrightBytes uses the CASE framework: **Classroom, Access, Skills & Environment**.
- This CASE technology framework provides insights into the effectiveness of technology in improving student achievement.
- According to BrightBytes research-based framework these are the essential factors needed for successful implementation of technology in the classroom.



# BrightBytes – 2022 Survey Results

CASE™ Score Legend

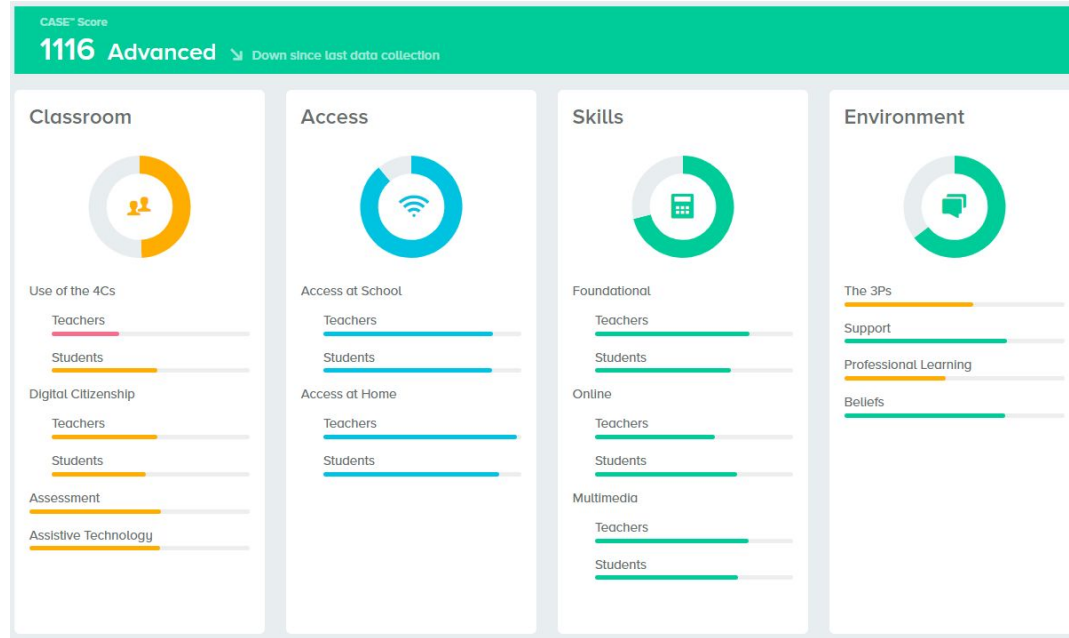
● Beginning

● Emerging

● Proficient

● Advanced

● Exemplary



- Overall, our current district CASE score is “Advanced” we saw a drop in the areas of Classroom and Environment
- GAN- Classroom: Teachers Use of the 4Cs(Communication, Collaboration, Critical Thinking and Creativity), Digital Citizenship & Environment: PD
- Overall Score: **1095** Proficient (2020) to **1132 Advanced** (2021) to **1116 Advanced** (2022)



THE D105 DIFFERENCE

# BrightBytes – 2022 Survey Results

- This year we experienced growth in the following key area:
  - Skills: Teacher Foundational Skills
- Continued growth opportunities exist in both Classroom and Environment domains; we will be focusing our efforts on throughout the our next phase of technology planning.
  - 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



# BrightBytes – 2022 Survey Results

- Survey Results Deeper Dive

- Deeper Analysis of Classroom results:

- Following the height of the pandemic some teachers stepped back from delivering as much content to students online leading to a drop in both student and teacher responses to the amount of time they are utilizing some of the technology tools this year compared to last year.

- Deeper Analysis of Environment results:

- 3Ps results decreased mainly due to transitioning back to an at school 1:1 with the students in primary grades; additionally some of the 3-5th grade classrooms are only taking devices home as needed instead of on a daily basis this year which appears to have impacted this result over last year.
- Professional learning related to technology was less formal this year moving much EdTech related PD to the staff professional learning website and C&I newsletter; this was the first year we implemented our self-directed professional learning initiative.



# BrightBytes – 2022 Survey Results

- D105 2022 results are higher than both Illinois and National benchmarks in all areas; even with our slight drop from 2021 survey results

Benchmarks

D105 2022 Results

## Technology & Learning

La Grange Sd 105 South

Jan 1, 2022 to Present

Dashboard Lenses Reports Trends

Map

List

Capture

Filter

CASE™ Score Legend

Beginning

Emerging

Proficient

Advanced

Exemplary

Show More

CASE™ Score

**1116 Advanced**

BENCHMARKS	DATE	OVERALL	CLASSROOM	ACCESS	SKILLS	ENVIRONMENT
All Technology & Learning	As of Apr 20, 2022	1078	1013	1195	1122	1081
Illinois	As of Apr 20, 2022	1092	1027	1222	1132	1090

Service Agency Districts Schools

DISTRICTS	DATE RANGE	OVERALL	CLASSROOM	ACCESS	SKILLS	ENVIRONMENT
La Grange Sd 105 South	Jan 1, 2022 to Present	1116 ↘	1047 ↘	1245 ↘	1156 ↗	1123 ↘
	Jan 1, 2021 to Jun 30, 2021	1132	1075	1250	1155	1138
	Jan 1, 2020 to Jun 30, 2020	1095	1030	1224	1144	1089
	Jan 1, 2019 to Jun 30, 2019	1097	1031	1220	1146	1092
	Jan 1, 2018 to Jun 30, 2018	1086	1010	1194	1150	1096
	Jul 1, 2016 to Dec 31, 2016	1083	1001	1201	1147	1099
	Jul 1, 2015 to Dec 31, 2015	1069	981	1180	1137	1094



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# Current Technology Plan Highlights/Status

- Curriculum and Instruction

- Deployment of technology into classrooms
  - Chromebooks (1:1 Chromebooks
    - 1-5 grade “at-school”
    - 6-8 grade “at-home”
    - one mobile lab each elementary LLC)
  - Interactive Classrooms (every classroom in the district is interactive)
    - Interactive Whiteboards, Interactive lessons
  - Digital Cameras
  - Document Cameras
  - iPads (1:1 “at-school” kindergarten and available for Specialists and checkout in the LLC)

- Integration of technology into the curriculum renewal process

- Science (DiscoveryEd, Mystery Science, PebbleGo, BrainPop, Newsela)
- Math ( iXL, ALEKS, Math180, Exemplars)
- Social Studies (DiscoveryEd, PebbleGo, BrainPop, Newsela)
- Language Arts (Read180, System44, Newsela, RAZkids, iXL)
- PE (FitnessGram)
- Assessment (IAR, MAP, ISA, Access, FastBridge, CogAT)
- Collaboration (Google Apps for Education)
- Multimedia (WeVideo, Loom, Nearpod, EdPuzzle)
- Communication (Zoom, Google Meet)
- Learning Platforms (Google Classroom, Seesaw)
- Music (MusicPlay Online)
- Art (
- STEM (





# Current Technology Plan Highlights/Status

## •Community

- Gurrie PowerSchool Parent Portal**– assignments and grades provided online since 06-07 school year
- Report Cards** – provided at Gurrie since 05-06 school year, provided at elementary schools beginning of 11-12 school year
- Intermediate and Middle School Assignments Posted Online** – Gurrie 05-06; Intermediate 06-07
- Classroom Websites** – initially created 05-06 school year
- Website redesign** –SchoolFusion website deployed beginning of 08-09 school year and upgraded to a new platform summer 2017; website refresh 2021
- PowerLunch** (With Barcoded Badges) – Via PowerSchool provided since 2009
- Health Office Student Visit Tracking** – Via PowerSchool since 2010
- Destiny Web Based Library System**- provided since 10-11 school year, e-books added 2013
- School to Home Communication System** – SchoolMessenger provided since 2012 used to send automated email and call blasts and added SMS text option in 201; migrated to ParentSquare 2021 and introduced Secure Document Delivery (Report Cards only at Gurie and NWEA Map Reports district wide)
- Revtrak** – Online payments since 2014
- Parent Computer Classes**- provided since 2015
- Parent Teacher Conference Online Registration**- Provided since Fall 2018
- Electronic Report Cards**– Introduced Spring 2020
- Online Registration** – Introduced Spring 2020
- Raptor Visitor Management Systems**- Introduced Summer 2020
- Health Screening Application** – Introduced Fall 2020



# Current Technology Plan Highlights/Status

- Professional Development and Support
  - **Ongoing training**
    - Technology Conferences –Virtual IdeaCON (Formerly ICE -Illinois Computing Educators)
    - Technology PD Website - Videos and articles
    - Instructional Technology Training - Embedded into curriculum adoption and implementation process



# Current Technology Plan Highlights/Status

## Deployment

- **Wireless network**- Initial deployment was completed Fall 2007, improvements were made to Ideal & Seventh Summer 2010 during construction and Spring, Gurrie and Hodgkins Summer 2011. Additional APs added to Spring/Gurrie Summer 2014. Complete upgrade of district WiFi to Meraki solution summer 2017.
- **Infrastructure** – Implemented fiber network solution and upgraded various switches and routers Summer 2009, improvements were made to Ideal and Seventh Summer 2010 during construction and Spring, Gurrie and Hodgkins Summer 2011. Upgraded to Metro Ethernet solution Summer 2014. Upgraded switches at Gurrie, Ideal, Seventh and Spring schools summer 2017 and Hodgkins summer 2018 and increased bandwidth in 2019.
- **Technology Replacement** – purchasing replacement cycle has been established and is ongoing.
- **Technical support**- The role of Desktop Support Technician was added at the beginning 2008-2009 school year. LMS positions were added at the beginning of the 2008-2009 school year and have been a successful addition to the buildings, approximately ½ of their time is dedicated to supporting technology. Fall 2017 a half-time support person was added to support the 1:1 take home initiative.
- **File Server upgrades** – Servers were upgraded as needed and migrated to Windows Network Operating System Summer 2008 and replacement cycle has been established and is ongoing. 2010-2011 servers were virtualized. Additional network storage was purchased Spring 2014. All Windows 2003 servers were decommissioned in 2015. VM server clusters hardware and software were upgraded 2016 and 2021.
- **Ticket Tracking System**- Implementation of a ticket tracking system in 2008-2009.
- **Konica Multifunction Devices** – Konica copiers/printers deployed 2013, 2016 and 2019. Added server based fax functionality in 2016.
- **Desktop Management System** – Implemented SCCM and AppSense/Ivanti desktop management solutions 2015-16.
- **Building Security Camera System**- Implemented 2013 with additional cameras added 2014-2015 and upgraded in 2020.
- **Telephony Replacement** – Unified Communication System was replaced in 2016 and 2021 and moved to a managed service in 2021.
- **Backup Solution**- Upgraded onsite backup solution to Veeam summer 2018.
- **Storage Solution** – A new Dell EMC solution was deployed in the MDF summer 2018 and additional storage solutions were deployed at all locations 2019.
- **UPS upgrades** - UPS systems were upgraded at all locations fall 2020.



# Going Forward: 2022-2023

- **Gurrie Middle School Student Email Pilot 2022-2023:**

Student email can be a powerful communication tool that increases communication and collaboration while teaching the difference between professional and personal language.

**Desired Outcome of Pilot:**

- Students will be able to take more ownership of their learning and more effectively communicate questions, thoughts and concerns.

**Email Guidelines:**

- **Intradistrict Emails only-** Students would only be able to email another D105 student or D105 staff member. (\*No student emails will be received or sent outside @d105.net)
- **Email filter-** Similar to the Internet content filter in place we plan to implement an Email filtering system to monitor for inappropriate content, bullying and self-harm
- **Email Expectations for School Related Communication-** GMS will incorporate this into the existing PBIS program.



# Going Forward: 2022-2023

- Major areas to be addressed 2022-2023:

- **Purchase Replacement Desktops, Chromebooks and Laptops** – Purchase consistent with tech plan's specified replacement cycle.
- **Google Chromebooks**– Purchase consistent with tech plan's specified replacement cycle. Continue to support existing 1:1 initiatives.
- **iPads**– Purchase consistent with tech plan's specified replacement cycle. Continue to support existing 1:1 initiatives.
- **Interactive Whiteboards**– Purchase consistent with tech plan's specified replacement cycle. \*Note- there is currently a 5-9 month lead time for orders placed in April due to chip manufacturing delays
- **Multi-Factor Authentication Project**– Implementation required by 7/1/2022 to be compliant for our cybersecurity insurance policy coverage.
- **Internet and WAN Connection**– E-Rate Project moving to ICN will save the district \$34,985.28 in internet and WAN connectivity service charges annually. **This will be a savings of \$104,955.84 over the 3 year contract.**



# Proposed 2022-2023 Budget

- For FY22-23, the Technology Budget expenditures proposed total is \$765,106 which no change from FY21-22.



# Going Forward...Student Results

- **Continuing to monitor results next year:**
  - **BrightBytes Survey Data**
  - **Student progress and Achievement**
  - **D105 Surveys**



# Technology Plan - Historical Budget

Requesting \$765,106 for 2022-2023 school year.

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



# Questions?



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