

NEW ALBANY-PLAIN LOCAL SCHOOLS TECHNOLOGY PLAN

2019-2022





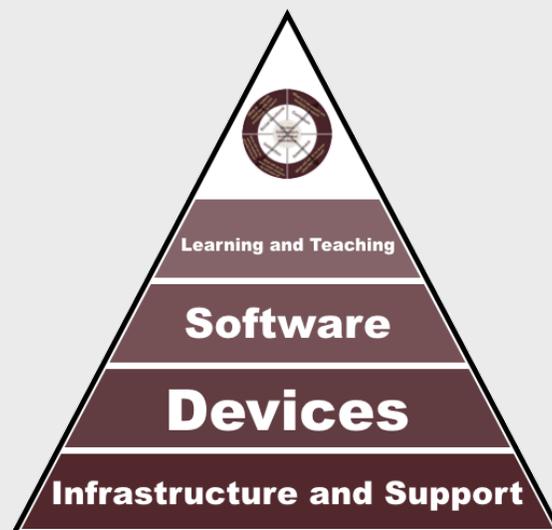
INTRODUCTION

Background

Technology is an important part of our students' and staff's daily lives, and its purposeful use can enhance learning experiences in our schools. The planning, designing, implementing and maintaining of a healthy technology environment requires communication and collaboration among all members of our learning community. Many improvements have been made as a result of our district's coordinated efforts over the past several years, including:

- Upgrading and adding more devices for students to use
- Upgrading staff equipment
- Installing new AV equipment in classrooms
- Increasing the district's Internet bandwidth by 500 Mbps
- Installing a new wireless network that can handle increased capacity
- Adding over 300 new security cameras
- Upgrading the virtual server environment
- Automating processes and integrating various systems together
- Redesigning the flow of network traffic to make it more reliable

While we have made tremendous progress the past few years, we also recognize we still have room to grow. So, a group of teachers, administrators and support staff came together in the Spring of 2019 to create a technology plan that will set our vision and goals through the 2021-2022 school year. We also included a group of parents that represented each school, and made some adjustments based on their feedback.





PROCESS

The Technology Plan Committee Process

The Technology Plan Committee met and discussed what we thought learning and teaching with technology should look like in our schools, and how its use can impact our students' learning experiences. The committee started the process by developing a set of belief statements. Our beliefs are based on our collective experience as teachers, administrators and support staff, and they are assumptions we hold to be true.

Our Beliefs

- The use of technology should be intentional, focused and purposeful.
- Technology is a tool and not a learning outcome.
- Learning how to effectively use technology is critical for our students' future success in life.
- Teachers are learning experience designers and should be supported.
- The physical and emotional environment should enable collaboration.
- It is important to make learning experiences meaningful, personal, and relevant.
- Learning should be active.
- Technology can enhance students' and teachers' abilities to create.
- The use of technology should be balanced with face-to-face interactions.
- A reliable, fast network connection is a key component of the learning environment.
- The district's servers and network should perform at optimal levels at all times.
- Our students' and staff's personal data should be stored and transmitted securely.
- Our students and staff should be protected from cyber threats and inappropriate content.



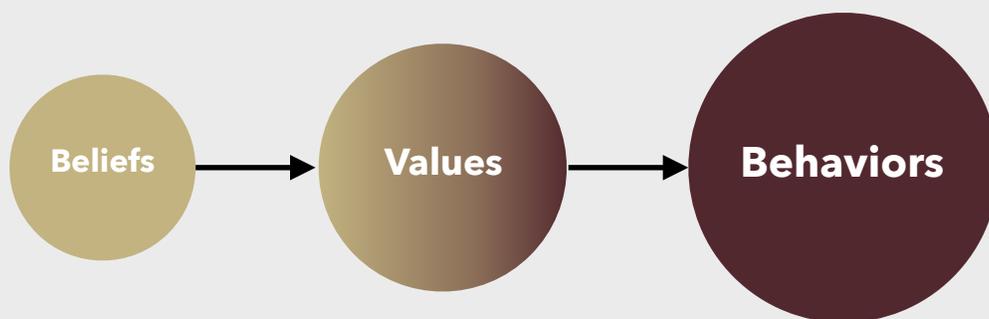
PROCESS

Next, the committee looked at our belief statements and developed a set of values from them. While beliefs are based on our experiences, our values are things we feel are important and are representative of our aspirations. Our values are based on our beliefs and they are more abstract concepts.

We Value

- A supportive and collaborative learning culture
- Intentional and purposeful learning experiences
- Relevant and authentic learning experiences
- Taking risks and learning from failure
- Digital Wellness
- Building meaningful relationships
- Quality professional development
- A robust technology infrastructure
- Cybersecurity

We use our values to make decisions, and those decisions control our behaviors. So, if we want to see specific behaviors in our schools as they relate to the use of technology, we need to create a vision and a set of goals that align with our values.





VISION

Statement of Purpose

To create a culture of accountability that achieves the best academic and developmental outcomes for each student.

Vision

Our Learning Community supports a healthy environment that embraces authentic, creative, and collaborative learning both inside classrooms and beyond.

Definitions

- Learning Community: The New Albany-Plain Local Schools' Learning Community consists of students, teachers, administrators, support staff, parents, and other local and global partners who help enhance learning and teaching.
- Support: We will provide the necessary resources, professional development opportunities, and funding to help achieve the vision.
- Healthy: Social-Emotional, physical and digital wellness are important to us.
- Authentic: Learning experiences are relevant.
- Creative: Solving problems using unique ways, and designing original products (e.g., artwork, music, videos, photos) allows learners to express their creativity.
- Collaborative: Members of the Learning Community help each other grow by working together to enhance learning experiences.
- Classroom: A learning space inside a school.
- Beyond: Learning continues to take place outside of classrooms.

The Technology Plan Committee created three measurable goals that will help our district achieve its vision by the end of the 2021-2022 school year. We will continually monitor our progress and adjust our action steps as needed.



GOAL #1

Statement

Maintain an information technology (IT) infrastructure that is able to support a one-to-one learning environment.

Action Steps	Measurements of Success
Create a 3-year projected budget for infrastructure (e.g., switches, servers, fiber, WiFi, bandwidth), devices and software needs starting with FY21.	The projected budget does not negatively impact the 5-year forecast.
Upgrade the wireless network (WiFi) in the Primary School.	The WiFi in NAPS is able to handle the increased demand caused by the addition of iPads in 3rd grade classrooms.
Add a second Internet service provider (ISP).	Border gateway protocol (BGP) routing is setup to balance Internet traffic and create a redundant connection.
Increase the Internet bandwidth.	The district's overall bandwidth usage stays below 80% of total capacity.
Upgrade the web filter and other monitoring systems to provide more details about network usage.	Web filtering extended beyond campus environment and improved visibility into network traffic.
Use a third-party to conduct a security audit.	Follow the necessary recommendations so the district is aligned with the NIST standards.
Implement an offsite backup and disaster recovery system.	Backup servers are located offsite, in a secure data center.
Implement a continuity of services plan.	Board Policies and Administrative Guidelines 7541 and 8300 are reviewed and updated as needed.
Provide training, resources and support for the IT department's technicians.	The average time to close a helpdesk ticket is reduced by three hours by 2022.



GOAL #2

Statement

Provide opportunities that help all administrators, teachers, and support staff develop their skills to work more effectively and efficiently through the use of technology.

Action Steps	Measurements of Success
Conduct a needs assessment survey for staff.	Professional development areas of focus are determined.
Provide professional development opportunities specific to teaching in a one-to-one environment.	Workshops are offered before/after school and during the summer.
Provide professional development opportunities on the use of new devices and software.	Training is provided when new devices and programs are deployed.
Provide professional development opportunities on the effective use of a Learning Management System (LMS) to create personalized instruction.	Workshops are offered before/after school and during the summer.
Purchase professional development hours/days from service providers.	Classroom embedded professional development is offered to teachers.
Provide professional development opportunities tailored to support staff.	Training is offered during the school day.
Provide online, on-demand learning opportunities for all staff.	Training courses are created in Schoology, and resources are added to the technology helpdesk.
Explore the possibility of hiring two or more full-time technology coaches.	Technology coaches are discussed during staffing meeting.



GOAL #3

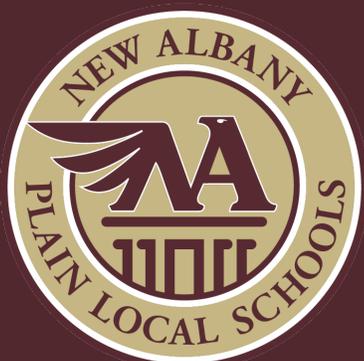
Statement

Raise awareness for the need to develop a balanced and healthy digital lifestyle.

Action Steps	Measurements of Success
Create a Digital Wellness Framework that includes: Balance, Etiquette, Safety, and Citizenship.	The framework is posted on the district website and shared with the Learning Community.
Develop digital wellness resources administrators can use with staff to help them better understand digital wellness.	Resources are organized and stored in a shared, online environment.
Develop digital wellness resources teachers can use with students to help them better understand digital wellness.	Resources are organized and stored in a shared, online environment.
Provide professional development opportunities to administrators and teachers on the topics of digital wellness.	Digital wellness professional development is given to administrators and teachers.
Provide digital wellness resources and learning opportunities for parents.	Events are scheduled to share the Digital Wellness Framework, resources and sample home activities.

TECHNOLOGY PLAN COMMITTEE

The vision, belief statements, values and goals were developed by a team of teachers, administrators and support staff. Feedback on drafts of this document was provided by parents.



We would like to thank you to the following teachers, administrators and support staff for their contributions to this document. And, we would also like to thank the parents that provided feedback on drafts of this document.

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