



# **Five Year Technology Plan**

## **2020 – 2025**

Updated: Feb 1, 2021

**Information Services – Instructional Technology – Technology Service**

*FCS Technology...Exceptional Service, Innovation, and Excellence*



## **Table of Contents**

|                                            |         |
|--------------------------------------------|---------|
| Vision for Technology Use                  | Page 03 |
| What we Value                              | Page 05 |
| Current Technology Reality                 | Page 09 |
| Communication                              | Page 16 |
| Professional Development                   | Page 17 |
| Internet Safety Plan & Digital Citizenship | Page 19 |
| New Technologies & Initiatives             | Page 22 |
| Technology Refresh Cycle                   | Page 23 |
| Appendices                                 | Page 24 |



## **Vision for Technology Use**

Forsyth County Schools (FCS) vision, mission, strategic plan, and learner profile guide the work of all employees. Forsyth County Schools Technology Department uses these items as a foundation for leveraging technology to increase learning.

### **FCS Vision**

*Quality Learning and Superior Performance for All*

### **FCS Mission Statement**

*The mission of the Forsyth County Schools is to prepare and inspire all learners to lead and succeed.*

### **District Strategic Plan**

- *Goal Area #1: Learning and Growth*
  - *Increase student achievement*
  - *Build staff capacity*
  - *Foster social and emotional growth*
- *Goal Area #2: Culture and Climate*
  - *Acquire, develop and retain excellent staff for all positions*
  - *Develop and apply effective cultural strategies*
  - *Increase purposeful school, home and community partnerships*
- *Goal Area #3: Operational Excellence*
  - *Plan and adapt for growth*
  - *Manage financial resources*
  - *Plan and allocate resources*



# Forsyth County Schools' Learner Profile



**Growing Leaders  
for Success**



## Pursue Continuous Learning

- Master and apply academics for college and career success
- Make connections to discover new knowledge and ideas
- Develop talents, interests, and passions
- Use technology effectively to access information and to display learning



## Exhibit Strong Personal Qualities

- Display integrity, perseverance, and drive to achieve personal goals
- Accept responsibility for personal actions
- Advocate for self, others, and the community
- Maintain wellness and balance in life



## Utilize Creative and Critical Thinking

- Define problems and create solutions
- Apply knowledge and skills to real-world situations
- Embrace innovation to adapt to an ever-changing world



## Engage and Contribute

- Connect to be a world-wise person
- Develop relationships across boundaries and cultures
- Interact in a multilingual community
- Demonstrate civility and respect differences in others



## Interact Effectively

- Communicate responsibly through reading, writing, listening, and speaking
- Work collaboratively with others
- Cultivate and maintain positive relationships



## **What We Value**

Forsyth County Schools will leverage technology to support the Learner Profile and all system level initiatives. Technology will be utilized by students and adults to produce quality work; to create an environment of excellence; to create a school district that is safe, caring, and responsive to stakeholders needs; and to create an environment that meets the challenges of a modern society. The school district will display a belief that technology is imperative to the work of students and adults and will provide the resources necessary for an effective and efficient operation to achieve results.

As indicated in the strategic plan, technology should be used to increase student learning. Forsyth County Schools sees the development of the following five areas as being critical to the realization of the vision and mission, and to support the strategic plan and the learner profile. All five items outlined below will be in support of the Teaching & Learning department to leverage technology with teachers and students:

### **1. The Learning Commons**

Forsyth County Schools has worked with Classlink to incorporate a learning commons area that makes accessible all the digital and physical resources of the district and becomes the instructional hub for learning. This will be accomplished by utilizing Classlink to provide 24/7 access to all digital resources through a single, easy-to-navigate, single sign-on portal to streamline access for students and teachers.

### **2. Personalized and Differentiated Instruction**

Forsyth County Schools will provide teachers with formative assessment tools which will foster personalized and differentiated instruction for students, teachers, and administrators. Formative assessment tools will be embedded in the district's learning management system and available through the virtual learning commons. These tools will be linked to a variety of instructional resources through the district's learning management system so that the instructional and professional development needs of the district can be customized for each learner and provided in a timely manner.



### **3. Fostering the “Six C’s”**

Forsyth County Schools will provide digital resources and professional development which promote character through honesty, self-regulation, and empathy; citizenship through sensitivity and respect for other cultures and active engagement in all cultures through service; critical thinking and problem solving in authentic contexts; effective communication using a diverse set of media in a variety of contexts including small, large, and diverse groups; effective collaboration in order to reach a common goal with a diverse group of people; and creativity and innovation to meet the challenges of a modern society.

### **4. Relevant and Innovative Professional Development**

Forsyth County Schools will develop and use a wide variety of digital tools in instructional techniques to provide professional development that fosters the effective integration of technology into the classroom while expanding the boundaries of the classroom to more closely align with 21st century norms and expectations of instruction. Professional development will be delivered in a way that produces immediate results and use in the classroom. FCS will utilize on-demand and in-person strategies to meet the needs of all teachers and staff members.

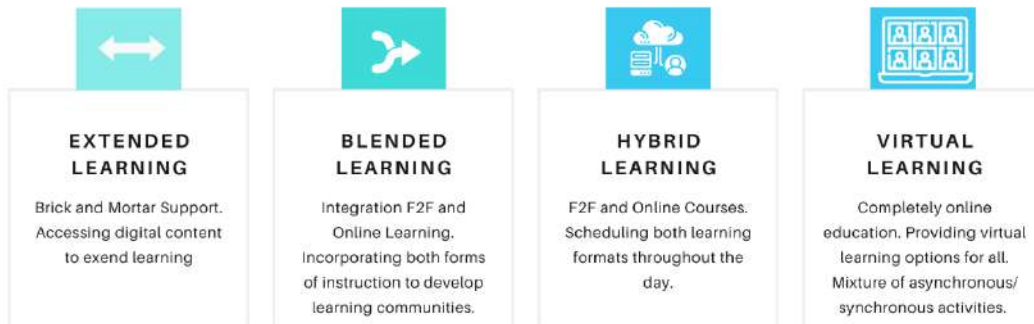
### **5. Transformational Model of Blended Learning**

It is imperative that the students of Forsyth County Schools achieve fluency in a variety of instructional contexts. These contexts range from a fully “brick and mortar” experience to a completely virtual experience.



## Description of Digital Learning Curriculum

### DIGITAL LEARNING CONTINUUM



**Extended Learning.** The district has used a learning management system (LMS) as the infrastructure for digital learning since 2002. FCS uses itslearning (ITSL) for all grade levels in its brick and mortar school buildings as well as the district's virtual school. Students will access digital content within the LMS from home or school to support learning within the face-to-face classroom. This practice extends learning opportunities beyond the school environment.

**Blended Learning.** FCS is the first major school system in the southeast to adopt a blended learning approach system wide. Teachers and students use a suite of tools to develop collaborative learning communities with itslearning being the hub of the blended learning environment. The teachers take advantage of this platform to organize units of inquiry mapped to standards; teachers also present content, communicate with students, and develop assessments. Students utilize their own devices to access this system to communicate with each other, complete assignments collaboratively and individually, and post their original work.



**Hybrid Learning.** Some FCS students are enrolled within face-to-face schools but complete online classes for part of the regular school day. FCS uses Apex Learning, Georgia Virtual School and Forsyth Virtual Academy for hybrid learning. Some reasons for this hybrid enrollment are due to credit recovery, scheduling, and expanding course options. Click here to learn more about Georgia Virtual School classes. <http://www.gavirtualschool.org/>

**Virtual Learning.** In 2010, FCS opened Forsyth Virtual Academy. This school was Georgia's first full-time online school operated by a public-school district that offers a high school diploma. Forsyth Virtual Academy is now considered a program rather than a full-time online school. FCS employs and trains its own teachers for this virtual school. Forsyth Virtual Academy is open for students in grades 6-12. This school offers students the opportunity to engage in a digital learning environment to achieve their individual potential through innovative, flexible, socially connected, and student-focused education. Student also have the option to learn virtually full-time via Georgia Virtual School.

**Personalized Learning.** FCS was selected by the U.S. Department of Education as one of 49 grantees for a 2010 Investing in Innovation Fund (i3) grant. FCS was the only recipient in Georgia and one of twelve public school districts in the nation to be a grantee. The grant sought to create a transformational system to overcome the current paradigm of silos of data, replacing it over time with a fully integrated system, to include standards-based learner plans and a content management system where activities and resources are matched to students' current performance level and individual learner characteristics. The resulting system is a user interface that engages learners as well as teachers, leaders, and parents. Although the grant is long past, FCS continues to use the platform and has now continued to closely align teaching and learning with technology.



### **Current Technology Reality**

Forsyth County Schools Technology Services Department plans, implements, and supports all the school district's technology initiatives and infrastructure. Careful collaboration with all stakeholders helps ensure that district technology needs are met in the most effective and efficient manner and that Forsyth remains a leader in leveraging technology to enhance teaching and learning.

Technology Services is committed to providing teachers and students with the best technology available. We see ourselves as an integral part of the learning process, and it is our pleasure to serve the teachers, students, and staff in Forsyth County. We believe technology in schools increases student productivity in and outside the classroom, encourages individual leadership in learning, expands access to learning resources, and helps develop digital citizenship within a structured environment.

As leaders in technology, we must always look at how we can improve our relationship with our stakeholders and provide them with exceptional service and new ways to challenge the norms of what is possible.

#### **Technology Services supports:**

- 47,000+ Chromebooks for Students
- 8,000+ Laptops for Teacher
- 500+ Physical and Virtual Servers
- 4,800+ Wireless Access Points
- 125,000+ Unique Wireless Clients per Day
- 1,750+ Network Switches
- 2 Enterprise-grade Firewalls capable of processing up to 200 Gbps throughput
- 1 Petabyte of raw mass storage
- 20 Hyper-converged nodes operating in a stretched cluster



### **Technology Department Staffing**

The district's Technology department is broken into three areas overseen by the Chief Technology and Information Officer: Information Systems, Instructional Technology and Media, and Technology Services. Each department's staff breakdown is listed below.

#### **Information Systems**

Director of Information Systems, Registrar (5), International Registrar, Transition Support (3), Students Information Specialists (4), Platform Support Specialist, Student Information Systems Assistant.

#### **Instructional Technology**

Director of Instructional Technology & Media, Coordinator of Instructional Technology, ITS on Special Assignment (2), Media Specialist on Special Assignment, Application Support Specialists

#### **Technology Services**

Director of Technology Services, Administrative Assistant, Department Bookkeeper, Network Operations Coordinator, Network Operations Engineer, Network Operations Administrators (3), Technology Services Coordinator, Warehouse Manager, Project Manager, Technical Assistant Specialist, Technical Support Specialists (12), Technical Support Contractors (9).



### **Software**

Teachers have a wide variety of software applications to assist in the teaching and learning of students to increase the creation of engaging lessons that impact student achievement. The Microsoft Office Professional suite is installed on every desktop and laptop. Also, Office 365 and Google Apps for Education are available to student and teachers.

Additional district supported software includes Audacity, Capture, EasiNote, and Snowflake.

### **Digital Content and Learning Tools**

Various software application is available to students and parents. As a starting point, all digital platforms are accessible via ClassLink, the district's single sign-on solution.

Teachers and administrators have access to the student information system, Infinite Campus, where electronic records and student data are housed, and an electronic grade book is also integrated into the SIS package. Teachers are required to post grades to the Internet via this system for parental access.

SchoolCity is a web-based student assessment engine that is provided to teachers grades K-12 and offers online and offline assessment. This program enables the district and teachers to track student performance on teacher-created, school-created and district-wide assessments. Additionally, the platform allows for item banks, including items and relevant metadata, to be distributed throughout the district. This testing and reporting solution gives the district's teachers and administrators the information they need to help assess for learning to improve instruction and student performance.

Teachers maintain courses within itslearning, an online learning management system that provides opportunities for synchronous and asynchronous learning. Within itslearning, teachers publish student assignments; schedule class events in a planner; post links for research activities; develop discussion forums; post lessons; and communicate with students via the itslearning messaging system.

Teachers also collaborate in common grade level, subject, and course groups with itslearning. itslearning also boasts a robust digital content library that is searchable by standard. Items in the digital content library can be added by teachers and district level content specialists and may include digital content purchased in common cartridge format or connecting via LTI. All



items include relevant metadata to allow for flexible searching to take place within the platform. Finally, itslearning contains a recommendation engine that receives data from assignments, tests, observations, and the district's assessment engine (SchoolCity) to suggest resources and activities for standards where students are deficient. Itslearning is the main sources of communication between teachers, students, and parents.

### **School-based Instructional Technology**

Each school is assigned an instructional technology support team which includes an Instructional Technology Specialist (ITS) and a Media Specialist (MS) or Media Paraprofessional. Both the ITS and MS have experience using a wide variety software and hardware as a classroom teacher and in preparing and conducting technology-related professional learning classes. This team is innovative in the way they integrate technology to enhance the educational process. Both members of the team are leaders in the building and in the district.

The school-based Instructional Technology Team serves as the conduit for planning, communicating and achieving district initiatives and often is part of the school's leadership team. They oversee the use of instructional equipment such as interactive panels, document cameras, and Chromebooks; provide technology support for the computers in the school as well as manage access to software, provide professional development and coaching for their staff; and support other network resources such as streaming video.

Every classroom in the district has ten Chromebooks with a wall cabinet for charging and access to additional Chromebook carts for whole class activities. Each classroom is outfitted with an interactive panel with built-in sound and Windows PC.



Assignments and assessments within both itslearning and SchoolCity can be automatically transferred to a teacher's gradebook with the click of a button in accordance with IMS Global's OneRoster grade passback specifications.

Forsyth County Schools also provides a host of digital resources to students and teachers. Below is a sample of the various digital applications available in the district.

- BrainPop: animated, curriculum-based electronic content that is fully compatible with interactive whiteboards, projectors, and mobile devices.
- Follett Destiny & PebbleGo: student-friendly search engines that allow for personalized and productive learning experiences. Pebble Go is specifically designed for elementary students.
- MyVrSpot: our video managements and distribution platform. MyVrSpot allows teachers to safely link to videos from Youtube and Vimeo, record screencasts, or themselves teaching a lesson. Additionally, MyVrSpot allows teachers to embed quiz questions within videos to check for understanding.
- Nearpod: a web based tool that promotes active learning and student engagement in both the classroom and virtual settings. Teachers can upload existing Google Slides, PDFs, or PowerPoint presentations into Nearpod. Additionally, Nearpod offers Virtual Reality and 3-D manipulation of objects.
- Soundzabound: houses a wide variety of copyright compliant music, audio themes and sound effects for grades K-12. The music can be legally used in podcasts, presentations, videos, news shows, digital storytelling, TV broadcasts, and web design.
- Wixie: web authoring tools for elementary students to display their knowledge.

Various research tools are available for students to conduct scholarly research. These tools include: Britannica School, Explora, GALILEO, GALE, and SIRS Discoverer.

Digital content and curriculum are available to teachers and students from a number of sources, free and subscription based, including ARC Bookshelf, Dreambox, MyOn, PBS Learning Media, Khan Academy, Pearson Envision Math & ELA, Stemscopes, and Studies Weekly.



All web-based resources provided by the district are accessible within ClassLink, a single sign-on portal that aggregates all district and school-based digital applications and resources using protocols such as OAuth, LTI, ADFS/SAML and password vaulting.

A complete listing of digital resources is located in Appendix A and at <http://www.forsyth.k12.ga.us/Page/49222>.

### **Instructional/Administrator Uses**

In each school, all teachers and administrators are provided equal access to technology resources and technology services. Equivalent hardware, software applications, and training are provided to every school. Within each classroom, the following technology devices are available: an interactive panel with an internal Window 10 computer and 10 Chromebooks. Within each school, additional technology resources are also available for instruction including the following: Chromebook carts, digital cameras, digital microscopes, document cameras, DVD players, and a video broadcast system.

### **Level of Use**

Observations are conducted to determine the level of technology integration occurring at each school. Observers use the PICRAT model (Kimmons, 2016) to describe what is occurring in the classroom. These observations assist school administrators in making better decisions concerning professional development to ensure that teachers are creating 21st century classrooms. In addition to these walk-throughs, the district has created an online instrument to assist administrators in recording teacher observations to ensure quality teaching, alignment to district initiatives, and standards-based classrooms.



## **Parent/Community Use**

Parents can view grades, attendance, homework assignments, progress reports, and other information provided by teachers via the Internet. Families without a computer at home are encouraged to use the computers in the local library or make use of the school's media center computers. Through Parent Portal, parents and guardians can update contact preferences as well as phone number and email addresses. This connection helps FCS foster a strong home/school communication link. Over 44,000 parents are registered for the online student information system's Parent Portal within Infinite Campus. Parents are also able to replenish lunch money, receive alerts and school notices, and access bus routes and transportation pick up times via the Internet. All students have Portal accounts as well and can view their own progress at home, or at school in cases where home Internet connection is not available. Advisors or counselors can work with students, viewing their assignments and performance. In addition, Forsyth County Schools has partnered with Comcast to provide Comcast Internet Essentials which provides a low-cost home Internet connection to students receiving free lunch. The district has also worked with a local foundation to provide educational broadband to students who do not have connectivity. The district currently has both T-Mobile and Kajeet hot spots in circulation.

District technology resources at home are accessible to students through ClassLink, which enables them to access their documents and files as well as all other district resources. Software platforms such as Office 365 and Google Apps for Education are also available anytime/anywhere. Wireless arrays have been installed within each school, and the district has implemented a Bring Your Own Technology (BYOT) initiative to encourage students to bring their own personal technology devices from home to access district network resources in order to facilitate instruction.

## **Student & Teacher Use**

All technology use by employees and students is guided by the Responsible Use Guidelines for Students and Staff members. Please visit the following website to view Responsible Use Guidelines <http://www.forsyth.k12.ga.us/Page/40831>. Additionally, all employees of Forsyth County Schools are expected to comply with Expected Communication Guidelines found at <http://www.forsyth.k12.ga.us/page/544>.



## **Communication**

### **Communication and Marketing**

The Forsyth County Schools five-year technology plan will be updated annually and posted on the school system website. Additionally, the plan will be shared with administrators, Instructional Technology Specialists, and Media Specialists.

### **Integration and Coordination with Long Range Planning Initiatives**

Forsyth County Schools has guided its work via a strategic plan process since 1995. Technology planning has been an integral part of strategic improvement in the district throughout that time. This technology plan is reflection of that process.

Collaboration takes place on a regular basis between the technology department, system level professional development staff, curriculum, media, Title 1, special education, and ESOL personnel to coordinate the implementation of the strategic plan (including technology initiatives).



## **Professional Development**

Forsyth County Schools adheres to a job embedded approach for high quality professional learning, implemented on district wide Early Release Days, to help standards-based practices become a reality in all Forsyth County classrooms.

Schools submit a professional learning plan each year aligned to their school improvement goals and these plans are reviewed by Curriculum, Title 1, Professional Learning, Technology, Special Education, and ESOL personnel to ensure fit with district as well as school goals. View the school improvement plans at <http://www.forsyth.k12.ga.us/Page/41330>.

In addition, the Department of Instructional Technology leads professional learning initiatives in the areas of:

- ISTE Standards for Technology Coaches
- Online, Blended, and Personalized Learning
- PICRAT Model

## **Identification of Classroom Implementation**

Forsyth County Schools use the ISTE Standards for Technology Coaches (ISTE Standards-C) as a basis for training and guiding the work of our local school instructional technology specialists. Instructional Technology Specialists collaborate with district staff and peers to unpack the ISTE Standards-C to determine strengths and weaknesses for themselves and their schools. ISTE Standards-C provide standards, attributes, and exemplars for the following topics:

- Change Agency
- Connected Learning
- Collaborative Practice
- Learning Designer
- Professional Learning Facilitator
- Data Drive Decision Maker
- Digital Citizen Advocate



The Technology department seeks to extend the work started with the Investing in Innovation (i3) grant awarded to the district in 2010 by focusing on the areas of online, blended, and personalized learning and continue in the subsequent years following the conclusion of the grant. Monthly trainings occur in these three areas at each school by district Instructional Technology Specialists. Additionally, summer trainings and the Georgia Online Teaching Endorsement, powered by the Forsyth Teacher Academy, is offered to teachers on a regular basis.

In previous years, the PICRAT model was introduced to school leaders, instructional technology specialists and media specialists as a basis for measuring the level of technology integration. The PICRAT is used to measure the level of technology integration in the classroom by looking at both the student's relationship to technology (Passive, Interactive, Creative) and the teachers use of technology as it relates to traditional practice (Replaces, Amplifies, Transforms). Forsyth County Schools seeks to establish the PICRAT model as common language throughout the district when measuring levels of technology use.



## **Internet Safety Plan & Digital Citizenship Curriculum**

### **Background Information**

In 2008, Congress passed the Protecting Children in the 21st Century Act. The FCC sought comment on specific sections of this act, specifically as it relates to the E-rate program. As a result, the FCC has released an order to define what a schools' CIPA policy must include.

In addition to the CIPA certifications required of schools, the Protecting the Children in the 21st Century Act requires the school, school board, local educational agency, or other authority with responsibility for administration of the school to certify that, "as part of its Internet safety policy, [it] is educating minors about appropriate online behavior, including interacting with other individuals on social networking websites and in chat rooms and cyberbullying awareness and response."

The FCC declined to define or interpret the terms provided in the statutory language, such as "social networking" or "cyberbullying." In addition, the FCC does not detail specific procedures or curriculum for schools to use in educating students about appropriate online behavior because "these are determinations that are better to be made by schools implementing the policy in the first instance."

### **Procedure for Local Schools**

Students must be well rounded digital citizens to meet the attributes of the Learner Profile. Beginning in the fall of 2011, each school in Forsyth County Schools submitted an Internet Safety Plan. Beginning in 2018, the school district moved to a more comprehensive Digital Citizenship Curriculum. Each school updates their plan each year. Plans are due to the Office of Instructional Technology by November 30<sup>th</sup> of each year.

Domains of the FCS Digital Citizenship are listed below. Parent resources and education are provided in conjunction with student instruction. Resources and lessons for each domain for all grade levels are created and provided to schools by the district. Schools have autonomy to modify the lesson as they see fit to meet the needs of each local school community.

- Cyberbullying & Self-Image



## Technology Services

*Technology and Information Services Department*

- Digital Footprint and Responsibility
- Online Safety & Privacy
- Creative Credit & Copyright
- Information Literacy
- Healthy Balance

**Procedure for the Department of Instructional Technology**

The Director of Instructional Technology maintains electronic archives of all submitted plans. The Director of Instructional Technology reports to the Chief Technology and Information Officer the status of schools' Digital Citizenship Plans. The Director of Instructional Technology maintains samples and online resources available to schools in the development of the plan.



## **New Technologies and Initiatives**

### **Data Analytics Engine**

Forsyth County Schools seeks to provide teachers, administrators and students with actionable, current, and relevant data. As a result, the technology department, in collaboration with a variety of district and school-based leaders, developed a data analytic engine that combines data from number of sources into one system. This system allows district and school staff to create reports that produces predictive analytics. Such analytics allows the system to identify trends, forecast academic projections and answer questions about future student performance that were previously not possible to answer.



### Technology Refresh Cycle



R – Refresh Year / (# of #) - Lifecycle Year

| <b>School / Departmental Technology Items</b>        | <b>Refresh Funding</b> | <b>2020<br/>2021</b> | <b>2021<br/>2022</b> | <b>2022<br/>2023</b> | <b>2023<br/>2024</b> | <b>2024<br/>2025</b> |
|------------------------------------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Student Chromebooks 26,000                           | Operational            | R                    | 2 of 6               | 3 of 6               | 4 of 6               | 5 of 6               |
| Teacher Notebook Computers 3,650                     | SPLOST                 | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| Admin Notebook Computers 250                         | SPLOST                 | 4 of 6               | 5 of 6               | 6 of 6               | R                    | 2 of 6               |
| MS/HS CTAE Labs 2,380                                | Operational            | 6 of 5               | R                    | 2 of 5               | 3 of 5               | 4 of 5               |
| General Purpose Desktops (C/O, Media, Labs...) 3,750 | Operational            | 5 of 5               | R                    | 2 of 5               | 3 of 5               | 4 of 5               |
| 10,000 Chromebooks and Carts                         | Operational            | 2 of 6               | 3 of 6               | 4 of 6               | 5 of 6               | 6 of 6               |
| Mac labs 2013, 14, 15                                | Operational            | 8 of 7               | R                    | 1 of 7               | 2 of 7               | 3 of 7               |
| Mac labs 2016,17                                     | SPLOST                 | 5 of 7               | 6 of 7               | 7 of 7               | R                    | 1 of 7               |
| Mac labs 2018,19                                     | Operational            | 3 of 7               | 4 of 7               | 5 of 7               | 6 of 7               | 7 of 7               |
| Printers                                             | Bond                   | 5 of 8               | 6 of 8               | 7 of 8               | 8 of 8               | R                    |
| Interactive Panels                                   | Bond                   | 3 of 8               | 4 of 8               | 5 of 8               | 6 of 8               | 7 of 8               |

| <b>Network Technology Items</b>    | <b>Funding</b> | <b>2020<br/>2021</b> | <b>2021<br/>2022</b> | <b>2022<br/>2023</b> | <b>2023<br/>2024</b> | <b>2024<br/>2025</b> |
|------------------------------------|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Palo Alto Firewall x2              | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| Extreme Network Switches           | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| Load Balancer                      | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| Extreme Wireless Access Points     | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| Uninterruptable Power Supply (UPS) | Bond           | 3 of 10              | 4 of 10              | 5 of 10              | 6 of 10              | 7 of 10              |
| Production Servers Dell            | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| Security Cameras                   | Bond           | 2 of 6               | 3 of 6               | 4 of 6               | 5 of 6               | 6 of 6               |
| Security Camera Servers            | Bond           | 2 of 6               | 3 of 6               | 4 of 6               | 5 of 6               | 6 of 6               |
| Data Center UPS                    | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| School Appliance Servers           | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| Extreme Core Switches              | Bond           | 4 of 5               | 5 of 5               | R                    | 2 of 5               | 3 of 5               |
| VDI Servers                        | Bond           | N/A                  | N/A                  | B                    | 2 of 5               | 3 of 5               |



## Appendix A - Digital Resource List

| FORSYTH COUNTY SCHOOLS DIGITAL RESOURCES<br>2020–2021                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ELEMENTARY SCHOOLS</b>                                                                                                                                                                                                                                                                                                                                                              | <b>ALL SCHOOLS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>HIGH SCHOOLS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input type="checkbox"/> BrainPop Jr.<br><input type="checkbox"/> Dreambox<br><input type="checkbox"/> Just2Easy<br><input type="checkbox"/> myOn<br><input type="checkbox"/> Pebble Go!<br><input type="checkbox"/> Quaver<br><input type="checkbox"/> SchoolPace<br><input type="checkbox"/> StemScopes<br><input type="checkbox"/> Studies Weekly<br><input type="checkbox"/> Wixie | <input type="checkbox"/> BrainPop<br><input type="checkbox"/> BrainPop ESL<br><input type="checkbox"/> Britannica School<br><input type="checkbox"/> ClassLink<br><input type="checkbox"/> CK-12<br><input type="checkbox"/> Code.org<br><input type="checkbox"/> Desmos Graphing Calculator<br><input type="checkbox"/> Destiny<br><input type="checkbox"/> Discovery Education<br><input type="checkbox"/> Explora<br><input type="checkbox"/> GALILEO<br><input type="checkbox"/> GALILEO for Kids<br><input type="checkbox"/> GSuite (Docs, Drive, Sheets, Slides, etc.)<br><input type="checkbox"/> Itslearning<br><input type="checkbox"/> MyVRSpot<br><input type="checkbox"/> Nearpod<br><input type="checkbox"/> NetRef<br><input type="checkbox"/> Office 365<br><input type="checkbox"/> Pearson Envision Math<br><input type="checkbox"/> Read & Write for Google<br><input type="checkbox"/> SchoolCity<br><input type="checkbox"/> SIRS Discoverer<br><input type="checkbox"/> Snowflake Lessons Online<br><input type="checkbox"/> Soundzabound | <input type="checkbox"/> APEX Learning<br><input type="checkbox"/> CommonLit<br><input type="checkbox"/> Cengage<br><input type="checkbox"/> GALE Opposing Viewpoints<br><input type="checkbox"/> Newsela<br><input type="checkbox"/> Pearson myPerspectives (ELA)<br><input type="checkbox"/> ProQuest Leading Issues<br><input type="checkbox"/> USA Test Prep<br><input type="checkbox"/> Virtual Job Shadow<br><br><ul style="list-style-type: none"><li>• This list does not include software purchased by individual schools.</li><li>• All software is subject to student data privacy review</li></ul> |