

# Technology Plan



Forestville Union Elementary

July 1, 2017 - June 30, 2020

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## District Vision

We are a community of lifelong learners, working together to be educated,  
Productive, kind and responsible citizens.

## District Mission

Forestville Elementary School is committed to equipping our students with the tools they need for academic, personal and social success.

We provide opportunities for each student to reach their highest potential by establishing a curriculum that meets or exceeds standards for education; providing supportive programs that develop our children's mental, physical and social skills; and partnering with parents and the community to create an environment geared to the success of our students.

## Plan Duration

**July 1, 2017 - June 30, 2020**

This *Forestville Union School District Education Technology Plan* covers a three-year period from July 1, 2017 through June 30, 2020. It will serve as the primary tool to guide the district's acquisition and integration of sustainable technology in support of the district's curricular goals.

The Technology Plan is based on California State Standards and sets yearly priority actions in the area of technology to ensure that the District is continually moving forward utilizing the power of technology as a tool for effective instruction, assessment and as a resource for student and staff learners to support 21<sup>st</sup> century learning. The Technology Plan will be reviewed and updated annually to identify priority actions that will guide work toward attaining the plan goals.

Progress towards the objectives and goals outlined in this plan will be evaluated by the Technology Committee during its regular meetings and reviewed and revised annually by its stakeholders.

Modifications of this plan will be communicated to the District Superintendent and the School Board.

## Technology Plan Vision

Technology facilitates the purposeful integration of learning between subjects, throughout the day, and across the school site in order to individualize learning and allow for student choice. Through training and regular use of technology staff are experts in ensuring that the right technology tool is used to provide our students with opportunities to learn and share knowledge that would otherwise be unimaginable. A culture is clearly established around the willingness to embrace new ideas and proactively use technology by continually infusing local and global best practices, current trends, and future projections into all conversations about teaching and learning.

## Stakeholders

Superintendent/Parent	Phyllis Parisi
Principal	Jennifer Hegenbart
Director of Technology	Jackie Bertero
Technology Specialist	Cisco Piazza
Teacher	

The stakeholders to this technology plan include teachers, administrators, classified employees, technology staff and parents. Input was gathered from all members of the stakeholder group. Stakeholders will meet regularly to review needs, identify goals and provide input. Among the items discussed during the committee meetings are the outcomes and process data received while monitoring the plan's objectives and goals. The following key questions are addressed on a regular basis:

- Is our vision for our students' success properly aligned to today's knowledge-based digital age? And are we all committed to the vision?
- Are our students demonstrating proficiency in technological literacy?
- Do students/staff have access to the technology they need to learn/teach effectively?
- Is the technology being used effectively to achieve our goals?
- Is student academic achievement improving where technology is being used effectively? If not, are there things that we can improve upon?

## Effective, Researched-Based Methods and Strategies

The Forestville Union School District is examining ways to deliver curriculum and professional development using new, innovative, technology-based tools. Our technology plan integrates the development of innovative strategies for using technology including the use of standards-based report cards, free or low cost Internet resources for students, teachers, and administrators and Doc cameras and projector systems in each classroom and the addition of tablets.

Our district is committed to increasing course offerings through the use of technology. The district is investigating video conferencing capabilities at school sites in order to enhance instruction through collaborative learning projects, to deliver courses from different sites, to allow for students and teachers to collaborate with peers and experts.

We will continue to work with CTAP Region 1 and the *Sonoma County Office of Education (SCOE)* to explore options to utilize technology to advance our curricular agenda. Through our partnership with CTAP Region 1 we have free access to an online course builder to provide our instructional staff with district specific extended high quality professional development on technology and curriculum integration expanding our current face-to-face district staff development offerings.

## Infrastructure

**The Infrastructure, Hardware, Technical Support and Software** section is focused on the ongoing evaluation of infrastructure, hardware and software needed to maintain an up-to-date network that allow classroom technology to run seamlessly. Adequate infrastructure must be present and fully functional for complete professional development and curriculum integration to occur. The infrastructure includes networking capacity and Internet access, plus hardware, software and technical support.

Forestville Union School District has a complex network that includes several physical and virtual servers, a router, 11 IDF's dozens of switches and over 750 devices across four different VLANs including, but not limited to; staff computers, student computers, chrome books, tablets, laptops, WIFI access points, telephones, fire and burglar alarm systems, audio visual systems, LED sign, thermostats, projectors, document cameras, security cameras, etc.

The Director of Facilities and Technology utilizes the following applications to ensure network connectivity and efficiency of all listed above; Meraki, Ubiquity, ShoreWare Director, Global Viewer Enterprise, Global Viewer Campus Communication Suite, Total Connect, Schoolwise, My Total Connect Comfort, Vivid and VmWare Sphere.

### Hardware in each Classroom and Computer Lab

1. A group of student desk top computers running Microsoft Windows 10
2. A teacher desktop computer running Microsoft Windows 10
3. A teacher chromebook
4. A group of student chromebooks
5. Wifi Access Point
6. Pole Vault Audio Visual System
7. Projector or wide screen monitor
8. Doc Camera
9. Uplift Mic and speakers
10. Access to several network printers
11. A VOIP telephone

### Computer Labs

We have 60 student computers running Windows 10 in the Main computer lab and the Library Computer Lab. Each lab has a teacher computer connected to a Pole Vault Audio Visual System that includes a projector or a wall mounted wide screen monitor.

### Internet Safety

A global content filter divided into an admin side and a student side is monitored by the Sonoma County Office of Education and protects our students and staff from inappropriate web content. In addition, we utilize tools Google Apps for Education to filter out inappropriate use student gmail.

## Infrastructure Goals

**Goal 1:** Replace Doc Cameras in each classroom

**Goal 2:** Upgrade teacher and student computers by bringing in more refurbished units.

**Goal 3:** 10 student chromebooks in each classroom.

## Instructional Program

**Instructional Program** goals are observable goals that will directly impact the classroom but are not considered professional learning. These goals include student outcomes and teacher outcomes, supporting the needs of all students, and communication between home and school

The district is equipped with multiple technology tools for teacher and student use. All learning spaces are connected, through Ethernet switching technology and wireless access points throughout the District. This data network infrastructure provides students and teachers access to a variety of information resources through the use of the following.

### Software and Applications

The following are available to parents and students online (web site)

1. Schoolwise (parent/student portal)
2. Google Apps for Education (Gmail, Docs, Sheets, Calendar, Drive, Sites, Classroom)
3. Follett (Library Catalog)
4. FrontRow (Instruction Platform)
5. Our students utilize several on-line applications like Typing Time, Kid Pix, Brainpop, Brain pop Jr., Starfall, abcya, Khanacademy, Whonderopolis, Pbskids, Funbrain, Mystery science, Renlearn, Pbslearning and more.

### Instructional Program Goals

**Goal 1:** Internet Safety and Digital Citizenship skills are introduced and practiced

**Goal 2:** Grade level technology standards are introduced and practiced

**Goal 3:** Technology standards are embedded in everyday curriculum

## Professional Development

**Professional Learning** goals are focused on the continual learning process in which all Forestville Union School District staff engage. These goals focus on observable actions that will support increased proficiency, integration, and use of technology, as well as parent learning and a focus on digital citizenship

While our district does offer some basic technology courses, technology integration will not be taught in isolation. Staff development has, and will continue to emphasize the use of technology as a powerful teaching and learning tool that engages students while addressing content standards within the curricular, instructional framework and adopted curriculum.

*The Learning Return On Our Educational Technology Investment: A Review of Findings from Research*, WestED (Ringstaff and Kelley, June 2002) is an extensive report that examines many studies related to educational technology and school reform. Several key factors are identified as crucial elements for successfully using technology:

- Technology is best used as one component in a broad-based reform effort
- Teachers must be adequately trained to use technology
- Teachers may need to change their beliefs about teaching and learning
- Technological resources must be sufficient and accessible
- Effective technology use requires long-term planning and support
- Technology should be integrated into the instructional framework

### Professional Development Goals

**Goal 1:** Administrators and Teachers will become proficient with the same general technology skills, technology integration skills, and information literacy skills required of students as well as proficient with work specific productivity tools.

**Goal 2:** Administrators and Teachers will become proficient in the use of technology to improve student achievement data collection, analysis, reporting, and decision making.

**Goal 3:** Administrators and Teachers will become proficient in the use of technology to improve two-way communication between home and school.

## **Funding and Budget**

This district has allocated on an annual basis funds to address maintaining the infrastructure, updating current software and hardware, as well as providing replacements for end of life equipment.

## **Monitoring and Evaluation**

In order to maintain the accuracy and relevance of our Education Technology Plan, it is essential to monitor, and if necessary revise, each component of this plan on an ongoing basis.

Each identified objective in our Technology Plan will be reviewed and evaluated regularly by the Technology Committee to ensure that our goals and objectives are being properly implemented and accomplished or adjusted as necessary.

The Technology Committee will track the development and implementation of all activities and accomplishments. Tech Planning issues, successes and setbacks will be communicated between the Technology Committee via e-mail on an ongoing basis. Data, progress, and any needed revisions to the plan will be reviewed during the Technology Committee meetings.