

FOUNTAIN HILLS UNIFIED SCHOOL DISTRICT



TECHNOLGY PLAN

EFFECTIVE JULY 1, 2014 – JUNE 30, 2017

LEA PROFILE AND CONTACT INFORMATION

EFFECTIVE DATES OF THE TECHNOLOGY PLAN						
Begin:	July 1,	2014		End:	June 30,	2017
LEA name:	FOUNTAIN HILLS UNIFIED SCHOOL DISTRICT					
CTDS:						070198000
Number of schools in LEA						4
E-rate billed entity number (if not applicable, indicate N/A)						142953

TECHNOLOGY PLAN CONTACT INFORMATION

PRIMARY TECHNOLOGY PLAN CONTACT INFORMATION

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SECONDARY TECHNOLOGY PLAN CONTACT INFORMATION

Name: Brett Hernandez	Telephone #: 480-664-5081
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VISION STATEMENT

Fountain Hills Unified School District (FHUSD) will create a learning environment in which technology is seamlessly integrated into all curricular areas including reading, writing, math, social studies, and science. We envision using technology as a means of supporting our students' academic growth, enhancing communication among all stakeholders, and encouraging greater parent involvement.

MISSION STATEMENT

Fountain Hills Unified School District, in partnership with parents and the community, will promote academic excellence in a proper nurturing environment. FHUSD resolves to prepare and motivate students to develop exemplary character and high academic achievement while empowering them to become productive citizens and community leaders within a culturally diverse and rapidly changing technical society.

FHUSD is committed to fostering the latest innovations and advances in technology. Technology is integrated in our curriculum in order to provide foundational skills and encourage the development of processes that students need in order to work productively and creatively in their studies, at work and at home. It is our mission to enhance curriculum, to motivate students and to effectively communicate with parents through the use of technology.

TECHNOLOGY PLAN: CIPA CERTIFICATION AND LEA APPROVAL

School District/Charter School Name: Fountain Hills Unified School District

Begins: JULY 1, **2014** End: JUNE 30, **2017**

CIPA CERTIFICATION

Check appropriate option:

(DISTRICTS OR SCHOOLS WHO APPLY FOR E-RATE SHOULD CHECK THE FIRST OPTION BELOW.)

X The LEA **applies for E-Rate funds** and are therefore not required to submit CIPA compliance under the ESEA to the Arizona Department of Education, but instead submit CIPA compliance certification directly through the E-Rate application.

Every “applicable school”¹ has complied with the CIPA requirements in subpart 4 of Part D of Title II of the ESEA.

Not all “applicable schools”¹ have yet complied with the requirements in subpart 4 of Part D of Title II of the ESEA. However, the LEA has received a one-year waiver from the U.S. Secretary of Education under section 2441(b) (2) (C) of the ESEA for those applicable schools not yet in compliance.

The CIPA requirements in the ESEA do not apply because no funds made available under the program are being used to purchase computers to access the Internet, or to pay for direct costs associated with accessing the Internet, for elementary and secondary schools that do not receive e-rate services under the Communications Act of 1934, as amended.

¹An “applicable school” is an elementary or secondary school that does not receive e-rate discounts and for which Ed Tech funds are used to purchase computers used to access the Internet, or to pay the direct costs associated with accessing the Internet.

TECHNOLOGY PLAN: NEEDS ASSESSMENT

McDowell Mountain Elementary School

Each classroom has a minimum of 4 computers for student use, as well as access to three computer labs. Student computers allow access to a variety of internet based educational software programs such as ATI Galileo, StarFall, Accelerated Reader, Star Early Literacy, Waterford, among others. Teachers are encouraged to integrate these programs into their lesson plans in order to support technology rich instruction as well as to differentiate instruction using technology. In addition, SMART brand white boards are installed in each classroom in order to allow teachers the opportunity to integrate interactive technology at every level of classroom instruction. Aver brand document cameras have also been provided to each grade level teacher. Wireless availability supports the district's BYOT (Bring Your Own Technology) initiative. Additionally, a laptop cart is available for the third grade team.

Powerschool and PowerTeacher applications are used throughout the district. This allows students, teachers, and parents real time access to student progress and helps to improve communication between all parties.

Continuing technology needs at McDowell Mountain Elementary include:

- Training and support for teachers on how to fully integrate technology into daily classroom instruction through purposeful lesson planning
- Development of testing method and rubric to effectively gauge and measure student technology literacy
- Create a technology skills checklist to serve as a teacher-planning tool
- Continually determine and identify software and or educational websites that best support the curriculum in the core academic disciplines and create a procedure for sharing these resources.
- Develop a process for identifying individual needs and each student's learning style relative to educational technology
- Stress the importance of digital citizenship standards and adhere to the standards established by ISTE's National Education Standards for Students.

Four Peaks Elementary School

Each classroom has a minimum of 3 computers for student use, as well as access to two computer labs on the school campus. Student computers allow access to a variety of internet based educational software programs such as ATI Galileo, Accelerated Reader, and Successmaker among others. Teachers are encouraged to integrate these programs into their lesson plans in order to support technology rich instruction as well as to differentiate instruction using technology. In addition, SMART brand white

boards are installed in each classroom in order to allow teachers the opportunity to integrate interactive technology at every level of classroom instruction. Wireless availability supports the district's BYOT (Bring Your Own Technology) initiative.

Powerschool and PowerTeacher applications are used throughout the district. This allows students, teachers, and parents real time access to student progress and helps to improve communication between all parties.

Continuing technology needs at Four Peaks Elementary School include:

- Training and support for teachers on how to fully integrate technology into daily classroom instruction through purposeful lesson planning
- Development of testing method and rubric to effectively gauge and measure student technology literacy
- Create a technology skills checklist to serve as a teacher-planning tool
- Continually determine and identify software and or educational websites that best support the curriculum in the core academic disciplines and create a procedure for sharing these resources.
- Develop a process for identifying individual needs and each student's learning style relative to educational technology
- Stress the importance of digital citizenship standards and adhere to the standards established by ISTE's National Education Standards for Students.

Fountain Hills Middle School

Most classrooms have 3 or more computers for student use, as well as school wide access to three computer labs for class wide use. Student computers allow access to a variety of internet based educational software programs such as ATI Galileo, PLATO Math, Successmaker, Holt McDougal online textbooks and Accelerated Reader among others. Teachers are encouraged to integrate these programs into their lesson plans in order to support technology rich instruction as well as to differentiate instruction using technology. In addition, SMART brand white boards are installed in each classroom in order to allow teachers the opportunity to integrate interactive technology at every level of classroom instruction. Wireless availability supports the district's BYOT (Bring Your Own Technology) initiative.

One English class at FHMS is participating in a laptop classroom model, with student laptops available on a 1:1 ratio.

Powerschool and PowerTeacher applications are used throughout the district. This allows students, teachers, and parents real time access to student progress and helps to improve communication between all parties.

Continuing technology needs at Fountain Hills Middle School include:

- Training and support for teachers on how to fully integrate technology into daily classroom instruction through purposeful lesson planning
- Development of testing method and rubric to effectively gauge and measure student technology literacy
- Create a technology skills checklist to serve as a teacher-planning tool
- Continually determine and identify software and or educational websites that best support the curriculum in the core academic disciplines and create a procedure for sharing these resources.
- Develop a process for identifying individual needs and each student’s learning style relative to educational technology
- Stress the importance of digital citizenship standards and adhere to the standards established by ISTE’s National Education Standards for Students.

Fountain Hills High School

There are nine dedicated computer lab classrooms on the Fountain Hills High School as well as six computer labs available for sign-out. Dedicated lab classrooms have facilitated the wide usage of Moodle, the district’s Course Management System (CMS). Moodle provides a web-based platform for development and delivery of both hybrid and online course content. Moodle also allows for immediate student feedback regarding their understanding of the content.

Fountain Hills High School is also utilizing the tools provided within the Read 180 and PLATO Math platform software products on campus, allowing teachers a detailed look at student progress based on lessons delivered fully online and customized to student level needs.

Powerschool and PowerTeacher applications are used throughout the district. This allows students, teachers, and parents real time access to student progress and helps to improve communication between all parties.

Continuing technology needs at Fountain Hills High School include:

- Training and support for teachers on how to fully integrate technology into daily classroom instruction through purposeful lesson planning
- Development of testing method and rubric to effectively gauge and measure student technology literacy
- Create a technology skills checklist to serve as a teacher-planning tool
- Continually determine and identify software and or educational websites that best support the curriculum in the core academic disciplines and create a procedure for sharing these resources.

- Develop a process for identifying individual needs and each student’s learning style relative to educational technology
- Stress the importance of digital citizenship standards and adhere to the standards established by ISTE’s National Education Standards for Students.

Administrators

The needs of Fountain Hills Unified School District’s administrative staff have largely been addressed. Our student information system, Powerschool, is fully compatible with SAIS and reports are uploaded to ADE on a regular basis. The district has network and internet access, as well as wireless access, in place for each administrator and support staff. Network maintenance and upgrades to systems, as well as staff training offerings, are ongoing. The District continues to facilitate remote access to network services as needed.

Preparation and Development of Educators

Fountain Hills Unified School District expects its educators to have a basic understanding and technical comfort level within the 21st Century classroom environment. Teachers will develop assessment tools and rubrics to measure student proficiency levels as aligned to state and district technology standards.

Professional development specific to technology and technology integration will be provided annually by the Technology Support staff, and is available throughout the school year by request via the department’s Work Orders site.

Continuing professional development needs for Fountain Hills Unified School District include:

- Provide professional development on the impact of non-compliance with the district policies regarding the use of technology and include compliance with these policies as a component of teacher evaluation and observation.
- Measure the effectiveness of provided technical professional development in order to continually refine and improve.

Professional Development specific to technology integration will be an ongoing priority for Fountain Hills Unified School District and will focus on individual and site specific needs.

Infrastructure

Fountain Hills Unified School District maintains an internal wide area network which provides connections from the district to each school and between schools of at least 100 Mbps per 1,000 students/staff. Ethernet wiring is available in all classrooms and offices. Wiring closets and patch panels are set up, and data ports are connected to a hub/switch. Telephones/voicemail systems are installed in all classrooms. Security systems are installed on each campus and include intrusion alarms on exits, and security cameras throughout campus.

As servers age and technology demands grow, it will be necessary to replace servers, routers, switches and other devices to maintain the integrity of the network and electronic resources. Server and network upgrades and replacement will need to be made annually or on an as-needed basis. To provide students and teachers with a seamless technology environment integrated with academic content standards and curricular goals, the District will continue to research, pilot, and provide successful wireless solutions when possible. These solutions will include the use of wireless portable computers, wireless docking stations, and wireless peripherals as they become available. Amplified and mounted sound system, interactive wireless participation system will be implemented. Every school will have access to digital still and video cameras and video conferencing.

Technology Staffing and Procedure

Fountain Hills Unified School District has three full time technology staff members who provide service to the four school campuses, district office, and Bus Barn/Warehouse locations. The department utilizes an online web based “work order” system for the tracking of help desk requests. Work orders are assigned and completed based on priority. The technology department has discretion in determining prioritization based on district wide need and project planning.