

Technology Plan

District:	Zane Trace
District IRN:	49544
Plan Name:	Zane Trace Local School District Technology Plan 2018-19
Period Coverage:	2018-19
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Plan Administrator:	Cory Juillerat
Superintendent:	Jerry Mowery

Phase 1. Technology Infrastructure Management and Support

Goal: Implement a Firewall and upgrade Anti-malware

Type: Cybersecurity

Description: Apply for E-Rate and purchase a firewall to increase network security. Purchase Anti-malware software to protect end users.

Supporting Strategies: As the delivery of education continues to change with the use of technology, providing a secure work and learning environment by the means of hardening our network is very important. With a local standalone firewall network traffic can be monitored at a very granular level. Anti-malware software is also important to implement and keep updated while providing an easy way to manage a large number of devices.

Needs Assessment: Before purchasing a firewall, finding what fits the districts needs will be the first goal. Once we know what manufacturer offers the best fit, a firewall will be chosen. Other weighted factors include price and support. The same thought process will be used for choosing a new anti-malware software.

Support Goal: The virtual learning academy will raise graduation rates and increase school funding.

Positions Involved: Superintendent, Principal, Tech Coordinator, Guidance, Aide

Evaluation:

Process: Before purchasing a product there will be a trial period for both the firewall and the anti-malware solution.

Outcome: Implementing a local firewall will reduce the chances of a compromised network and can also search local network traffic allowing us to view what students are doing online. The anti-malware will protect user information and is the last line of defense.

Positions Involved: Superintendent, Treasurer, Tech Coordinator

Phase 2. Technology Infrastructure Management and Support

Goal: Google Chrome Device Initiative

Type: Access to Technology

Description: Implement Google Chromebooks in the school district.

Supporting Strategies: Google Chrome devices will complement the use of Google Apps. Google devices are also affordable, have good performance, and are able to replace traditional textbooks with interactive digital versions which can save the school district money. A Chrome device of our choice along with management license costs roughly \$185.00 for a Chromebook with the management license. With Google Apps for education each user enrolled has unlimited storage space and is able to collaborate extensively with anyone in the organization. Chromebooks are superb testing devices as a kiosk mode is able to be setup from the management console accessible by the technology coordinator.

Needs Assessment: Make available a Chromebook cart to every grade level. As Google Apps continue to change, conduct professional development with staff.

Professional Development:

Methods / Formats: Conduct professional development with staff as Google Apps change. Training materials from the PD sessions will be made available online for staff to return to if necessary.

How to Measure: Measurement of professional development may be measured by staff opinion on exit survey completed after each Technology Tuesday training session.

Support Goal: Continuing education credit will be offered to staff for completing training sessions.

Positions Involved: Superintendent, Principal, Tech Coordinator, Staff

Evaluation:

Process: Evaluation of implementing Google Chrome devices in the organization will be based on the cost vs benefit of the device, and how inclined staff are to learn about the device. If there is buy-in from administrators and staff, more Chrome devices may be purchased.

Description: Purchasing more Chromebooks will be determined by the supply and demand of the Chromebook carts we currently own.

Outcome: The outcome of the goal is to provide staff with a new tool to engage students' interest in learning.

Positions Involved: Superintendent, Principal, Tech Coordinator, Staff

Phase 3. Technology Infrastructure Management and Support

Goal: Change ITC for ProgressBook and Internet Access

Type: Software

Description: Migrate Student data, fiscal, and change ITC internet access.

Supporting Strategies: With a number of fiscal issues at META Solutions and members projected to leave, a new ProgressBook and internet access provider will alleviate the projected price increase over the next several years.

Needs Assessment:

Thoroughly evaluate the pros and cons of changing providers.

Professional Development:

Methods / Formats: Provide professional development to staff if necessary. Training will more likely only be necessary for administrative assistants and guidance counselors.

How to Measure: Test the integrity of ProgressBook and our Internet throughput.

Support Goal: To support the transition between providers, the technology coordinator will contact the provider if any issue arises.

Positions Involved: Superintendent, Treasurer, Tech Coordinator, Staff

Evaluation:

Process: Begin the E-Rate bidding process requesting internet access services. Once a vendor is selected, sign an agreement for services.

Description: Sign a new contract with a provider who is reliable and cost efficient.

Outcome: Better software services for student information and fiscal with reliable support.

Positions Involved: Superintendent, Treasurer, Tech Coordinator

Phase 4. Technology Policy, Leadership and Administration

Goal: Introduce New Technologies to Students and Staff

Type: Providing District Leadership, Access to Technology

Description: As technology continues to move forward, it is important to introduce new and upcoming technology to students while equipping staff with the ability to explore such technology in the classroom.

Supporting Strategies: Supporting strategies include the speed of change in technology and exposing new technology to students at the rate necessary to keep them on track with 21st century learning.

Needs Assessment: Have conversations with staff members regarding new technology and finding ways to use new technology in the classroom. Once there is a plan in place on how the teaches will apply the new technology in the classroom, the district will be confident in implementing new technologies.

Professional Development:

Methods / Formats: Methods for preparing staff include professional development, demonstrations, and brainstorming sessions on new technology.

How to Measure: The ability of staff to incorporate new technology into their lessons. Staff may measure the students' enthusiasm to learn when introducing new technology.

Support Goal: In order to support professional development, staff will earn continuing education credit for taking the Research Test Administrators Course.

Positions Involved: Tech Coordinator, Staff

Evaluation:

Process: Evaluating the use of new technology can be done by looking at the impact introducing new technology to the students has. Also, if the new technology benefits the teacher by making their classroom more efficient.

Description: The technology coordinator will be available for answering questions to help staff use new technology in their classroom.

Outcome: The outcome of introducing new technology in the district will ensure students learn 21st century skills.

Positions Involved: Tech Coordinator, Staff