

Technology Plan built using eTech Ohio's TPT tool

Organization: [Piqua City SD](#)
Tool: [TPT](#)
Name: Piqua City SD-044644, TPT, 2013-14, 2014-15, 2015-16
Period Coverage: 2013-14, 2014-15, 2015-16
Status/Approvals: eTech Ohio Certified
Created Date: Thu Mar 29 13:53:10 GMT 2012
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Key Decision Makers

Assigned ETC: Erik Falasca
Assigned Treasurer: Jeff Price
Assigned Superintendent: Richard Hanes

Phase 1. Pre-Planning

Vision: Piqua City Schools strives for an educational experience for students in which technology is an imbedded tool for knowledge acquisition and communication. Staff members will efficiently and effectively use the technological resources at their disposal to enhance instruction, assessment, and communication both within the district and with the district's critical stakeholders.

Mission: Piqua City Schools accepts the responsibility to ensure that all students are capable of using current technology and adapting to future technology in order to become informed, ethical, and responsible citizens.

Technology Planning Committee: Curriculum Coordinator; Principal; Teacher; Technology Coordinator

Review Current Technology Plan

Describe goals that were met: Piqua was able to meet several of our goals over the course of our prior tech plan. We met or exceeded our level of technology integration in each subject area. Removal of barriers to technology was lessened. Thanks in part to two large competitive federal grants and E-Rate funding the network equipment was updated, including wireless, at the secondary level. The updating allowed for more mobile devices (iPads, net books) and a BYOD at the secondary level. Similar plans are being looked at for the primary and intermediate level if funding for similar upgrades in network and wireless can be acquired.

Unexpected outcomes, new needs: Investing in an enterprise wireless infrastructure has led to an unexpected demand and level of acceptance for mobile technology, that integrates better into the classroom than our standard wired desktop and labs.

Goals that are no longer relevant: None

Goals that still need to be addressed: As always a need to continue to look on emerging classroom technology and how best to integrate them into the classroom to provide the best 21st century learning environment.

Phase 2. Curriculum Alignment & Instructional Integration

• Goal: Provide our students with 21st Century Skills

Goal Type: Technology Alignment to Curriculum

If other, please specify:

Goal Description: To maximize teacher interaction & student engagement by increasing skills in creativity, critical thinking, communication, collaboration and STEM (Science/ Technology/ Engineering/ Math) to advance career and college readiness

Needs Assessment: School district needs to support STEM based on national needs accessments.

Where Are We Now? iii. Adaptation

Where Do We Want To Be? v. Invention

Created Date: Fri Jan 04 16:48:26 GMT 2013

Created By: James Conley

Last Modified Date: Tue Jan 22 17:04:49 GMT 2013

Last Modified By: James Conley

• **Strategy: Student use of Web 2.0 tools**

Outcome: Students will be able to solve problems, write, create and work in teams to create content.

Evaluation Process: Student work

Description: Students will be provided with opportunities to make use of Web 2.0 tools such as Glogster, Edmodo, Prezi, Amimoto, Weebly and Google Docs to work on student create content and work on collaborative projects with other students.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Teacher;Technology Coordinator/Director

Timeline: < 6 months

Estimated Budget for this Strategy

Funding Source (if applicable): District will make use of free resources where possible

Estimated Cost for Strategy - Year 1:

Estimated Cost for Strategy - Year 2:

Estimated Cost for Strategy - Year 3:

Professional Development Need(s)

Identify PD Methods/Formats: After school and on-line training

Identify Person(s) to plan PD: Curriculum Coordinator/Director;Principal;Teacher;Technology Coordinator/Director

How will PD be measured? Survey, samples of student products.

How PD will support this Strategy? Teachers will be provided with knowledge of the available products as well as examples on how to use those resources

Created Date: Tue Jan 15 23:49:47 GMT 2013

Created By: James Conley

Last Modified Date: Tue Jan 22 17:06:06 GMT 2013

Last Modified By: James Conley

• **Goal: Meet 26 out of 26 State Indicators**

Goal Type: Improving Teaching and Learning

If other, please specify:

Goal Description: By 2015-2016, all students will reach high standards, at a minimum attaining proficiency or better.

Needs Assessment: As part of our District's Strategic Plan, the district needs to reach state rating of Excellent with Distinction. One of the requirements is to meet 26 out of 26 of States Report Card Indicators.

Where Are We Now? ii. Adoption

Where Do We Want To Be? v. Invention

Created Date: Tue Nov 20 23:23:57 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 17:08:07 GMT 2013

Last Modified By: James Conley

• Strategy: Earn 8th Grade Science Indicator

Outcome: The district will meet the requirements of earning the 8th Grade Science Indicator.

Evaluation Process: Ohio Achievement test with supportive information from NWEA testing

Description: Technology will be used to support this Strategy. Currently the district is using a variety of technology tools and software. Since most of these tools are on-line, there is a continuing need for increased network connectivity and bandwidth.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Teacher

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): RttT Federal grant, Federal E-Rate, District PI and General fund

Estimated Cost for Strategy - Year 1: 25000.0

Estimated Cost for Strategy - Year 2: 25000.0

Estimated Cost for Strategy - Year 3: 25000.0

Professional Development Need(s)

Identify PD Methods/Formats: Continued support for Discovery Education's virtual labs and exploration activities

Identify Person(s) to plan PD: Curriculum Coordinator/Director;IT Director;Principal

How will PD be measured? Teacher level results for students on the Ohio Achievement test for 8th Grade Science.

How PD will support this Strategy?Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Tue Nov 20 23:25:06 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 17:09:49 GMT 2013

Last Modified By: James Conley

• Strategy: Improve passage rate on all state indicators

Outcome: The district will improve the passage rate on all Ohio Achievement Tests and on the Ohio Graduation Test.

Evaluation Process: Ohio Achievement test at each grade level and the Ohio Graduation Test. Also supportive information from NWEA testing, Yearly Progress Pro and Total Reader.

Description: Technology will be used to support this Strategy. Currently the district using a variety of technology tools and software. Since most of these tools are on-line, there is a continuing need for increased network connectivity and bandwidth.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Teacher

Timeline: 1 year - 2 years

Estimated Budget for this Strategy

Funding Source (if applicable): RttT Federal grant, Federal E-Rate, District PI and General fund

Estimated Cost for Strategy - Year 1: 25000.0

Estimated Cost for Strategy - Year 2: 25000.0

Estimated Cost for Strategy - Year 3: 25000.0

Professional Development Need(s)

Identify PD Methods/Formats: District created on-line resources such as Curriculum Pow-Wow, Curriculum department provided staff development opportunities - both pull out and after school. Principal / Director mentoring.

Identify Person(s) to plan PD: Curriculum Coordinator/Director;IT Director;Principal

How will PD be measured? Teacher level results for students on State tests

How PD will support this Strategy? Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Mon Dec 31 17:40:13 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 15 23:24:49 GMT 2013

Last Modified By: James Conley

• Goal: Acheive a State Report card Performance Index of 120

Goal Type: Improving Teaching and Learning

If other, please specify:

Goal Description: By 2015-2016, all students will reach high standards, at a miniumum attaining proficiency or better.

Needs Assessment: As part of our District's Strategic Plan, the district needs to reach state rating of Excellent with Distinction. One of the requirements is to have a Performance Index of over 100 on a scale that is from 0 to 120 points.

Where Are We Now? ii. Adoption

Where Do We Want To Be? v. Invention

Created Date: Mon Dec 31 17:48:33 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Wed Jan 23 13:35:30 GMT 2013

Last Modified By: Erich Heidenreich

• Strategy: Northwest Evaluation Association Testing

Outcome: District will acheive a Performance Index of 120

Evaluation Process: Growth in state report card performance index

Description: The district will use local assessments such as NWEA to identify student areas where growth is needed to target with instruction or intervention.

Position(s) Responsible: Assistant Principal;Curriculum Coordinator/Director;IT Director;Principal;Teacher

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): RttT, local general fund, federal grant funds, PI

Estimated Cost for Strategy - Year 1: 25000.0

Estimated Cost for Strategy - Year 2: 25000.0

Estimated Cost for Strategy - Year 3: 25000.0

Professional Development Need(s)

Identify PD Methods/Formats: District created on-line resources such as Curriculum Pow-Wow, Curriculum department provided staff development opportunities - both pull out and after school. Principal / Director mentoring.

Identify Person(s) to plan PD: Assistant Principal;Curriculum Coordinator/Director;IT Director;Principal

How will PD be measured? Teacher feedback by survey.

How PD will support this Strategy? Staff development will be provided to provide staff members with the skills necessary to use NWEA to measure student growth and identify areas needing intervention.

Created Date: Fri Jan 11 21:12:38 GMT 2013

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 17:25:39 GMT 2013

Last Modified By: James Conley

• Strategy: Evaluate - Compass Learning

Outcome: Increased student performance and learning.

Evaluation Process: Gains on state testing and local accessments such as NWEA

Description: The district will evaluate Compass Learning software as a tool to suport the DesCartes system and targeted student learning.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Teacher

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): District funds

Estimated Cost for Strategy - Year 1:12500.0

Estimated Cost for Strategy - Year 2:12500.0

Estimated Cost for Strategy - Year 3:12500.0

Professional Development Need(s)

Identify PD Methods/Formats: Curriculum department provide staff development opportunities with pull out training

Identify Person(s) to plan PD: Assistant Principal;Curriculum Coordinator/Director;Principal;Technology Coordinator/Director

How will PD be measured? Student results and teacher surveys.

How PD will support this Strategy?Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Tue Jan 15 23:40:46 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 23 13:35:30 GMT 2013

Last Modified By: Erich Heidenreich

• Goal: To meet Federal AYP requirements

Goal Type: Improving Teaching and Learning

If other, please specify:

Goal Description: By 2015-2016, all students will reach high standards, at a miniumum attaining proficiency or better.

Needs Assessment: For the 12-13 school year, passage rates for all students, including subgroups, on the Math/Writing/Reading tests for the OAA and OGT Tests will be 85% or higher. The 85% goal is a short-term, attainable goal as a part of our district goal to have all students proficient by the 13-14 school year.

Where Are We Now? ii. Adoption

Where Do We Want To Be? v. Invention

Created Date: Mon Dec 31 17:50:51 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Thu Apr 25 21:36:53 GMT 2013

Last Modified By: Erich Heidenreich

• **Strategy: Northwest Evaluation Association (NWEA) testing.**

Outcome: NWEA Des Cartes system provides specific information about each student's particular curriculum areas of mastering or not mastering. Using this data will lead students and teachers to focus a stronger understanding of non-mastered curriculum areas.

Evaluation Process: By monitoring/evaluating NWEA reports of student progress from fall to winter to spring testing.

Description: To meet the AYP requirements by continual use of software NWEA to provide assessment data to track student projected growths over time.

Position(s) Responsible: Assistant Principal;Curriculum Coordinator/Director;IT Director;Principal

Timeline:

Estimated Budget for this Strategy

Funding Source (if applicable): RttT, General Fund

Estimated Cost for Strategy - Year 1: 50000.0

Estimated Cost for Strategy - Year 2: 50000.0

Estimated Cost for Strategy - Year 3: 50000.0

Professional Development Need(s)

Identify PD Methods/Formats: Professional development provided by the curriculum directors, district technology chairpersons, the directory of technology, and outside consultants from NWEA.

Identify Person(s) to plan PD: Assistant Principal;Curriculum Coordinator/Director;Principal

How will PD be measured? •Exit surveys by inservice participants • Evaluate student created material • District survey • Bi-annual technology assessment by the BETA survey

How PD will support this Strategy? Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Thu Apr 25 21:36:53 GMT 2013

Created By: Erich Heidenreich

Last Modified Date: Thu Apr 25 21:36:53 GMT 2013

Last Modified By: Erich Heidenreich

• **Goal: To achieve a Value-Added measure of Above on State Report Card**

Goal Type: Improving Teaching and Learning

If other, please specify:

Goal Description: By 2015-2016, all students will reach high standards, at a minimum attaining proficiency or better.

Needs Assessment: As part of our District's Strategic Plan, the district needs to reach state rating of Excellent with Distinction. One of the requirements is to have a Valued Added measure of Above.

Where Are We Now? ii. Adoption
Where Do We Want To Be? v. Invention
Created Date: Mon Dec 31 17:52:22 GMT 2012
Created By: Erich Heidenreich
Last Modified Date: Tue Jan 22 18:59:33 GMT 2013
Last Modified By: James Conley

• Strategy: Northwest Evaluation Association (NWEA) testing.

Outcome: NWEA Des Cartes system provides specific information about each student's particular curriculum areas of mastering or not mastering. Using this data will lead students and teachers to focus a stronger understanding of non mastered curriculum areas.

Evaluation Process: By monitoring/evaluating NWEA reports of student progress from fall to winter to spring testing.

Description: To increase the value added measure to Above by continual use of software NWEA to provide assessment data to track student gains/losses over time.

Position(s) Responsible: Assistant Principal;Curriculum Coordinator/Director;IT Director;Principal

Timeline: < 6 months

Estimated Budget for this Strategy

Funding Source (if applicable): RttT, General Fund

Estimated Cost for Strategy - Year 1: 50000.0

Estimated Cost for Strategy - Year 2: 50000.0

Estimated Cost for Strategy - Year 3: 50000.0

Professional Development Need(s)

Identify PD Methods/Formats: Professional development provided by the curriculum directors, district technology chairpersons, the directory of technology, and outside consultants from NWEA.

Identify Person(s) to plan PD: Assistant Principal;Curriculum Coordinator/Director;Principal

How will PD be measured? •Exit surveys by inservice participants • Evaluate student created material • District survey • Bi-annual technology assessment by the BETA survey

How PD will support this Strategy? Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Fri Jan 11 21:35:06 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 23 13:37:37 GMT 2013

Last Modified By: Erich Heidenreich

• Strategy: Compass Learning (software pilot)

Outcome: NWEA Des Cartes system provides specific information about each student's particular curriculum areas of mastering or not mastering. Using this data will lead students and teachers to focus a stronger understanding of non mastered curriculum areas.

Evaluation Process: By monitoring/evaluating NWEA reports of student progress from fall to winter to spring testing.

Description: To increase the academic performance in math and reading by piloting the Compass Learning software with NWEA Des Cartes system to identify curriculum areas in need of mastery.

Position(s) Responsible: Assistant Principal;Curriculum Coordinator/Director;IT Director;Principal

Timeline: < 6 months

Estimated Budget for this Strategy

Funding Source (if applicable): RttT, General Fund

Estimated Cost for Strategy - Year 1: 12500.0

Estimated Cost for Strategy - Year 2: 12500.0

Estimated Cost for Strategy - Year 3: 12500.0

Professional Development Need(s)

Identify PD Methods/Formats: Professional development provided by the curriculum directors, district technology chairpersons, the directory of technology, and outside consultants.

Identify Person(s) to plan PD: Assistant Principal;Curriculum Coordinator/Director;Principal

How will PD be measured? •Exit surveys by inservice participants • Evaluate student created material • District survey • Bi-annual technology assessment by the BETA survey

How PD will support this Strategy? Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Tue Jan 15 20:05:40 GMT 2013

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 18:59:33 GMT 2013

Last Modified By: James Conley

• Strategy: Yearly Progress Pro Software

Outcome: YPP student progress reports provide specific information about which math clusters and skills each student is mastering or not mastering. This will lead students and teachers to develop a stronger understanding of non mastered curriculum areas.

Evaluation Process: By monitoring/evaluating student progress as they progress through the levels of YPP. Principals will work with teachers to record and track YPP CBM student scores on a monthly basis.

Description: To increase the value added measure to Above by continual use of software Yearly Progress Pro so students develop a stronger understanding of non mastered curriculum areas.

Position(s) Responsible:

Timeline:

Estimated Budget for this Strategy

Funding Source (if applicable): General Fund

Estimated Cost for Strategy - Year 1: 25000.0

Estimated Cost for Strategy - Year 2: 25000.0

Estimated Cost for Strategy - Year 3: 25000.0

Professional Development Need(s)

Identify PD Methods/Formats: Professional development provided by the curriculum directors, district technology chairpersons, the directory of technology, and outside consultants.

Identify Person(s) to plan PD:

How will PD be measured? • Exit surveys by inservice participants • Evaluate student created material • District survey • Bi-annual technology assessment by the BETA survey

How PD will support this Strategy? Professional development provided by the curriculum directors, district technology chairpersons, the directory of technology, and outside consultants.

Created Date: Tue Jan 15 20:15:27 GMT 2013

Created By: Erich Heidenreich

Last Modified Date: Wed Jan 23 13:39:10 GMT 2013

Last Modified By: Erich Heidenreich

• **Goal: Improving Student Mastery in Reading and Mathematics**

Goal Type: Improving Teaching and Learning

If other, please specify:

Goal Description: By 2015-2016, all students will reach high standards, at a minimum attaining proficiency or better in reading and math.

Needs Assessment: For the 12-13 school year, passage rates for all students, including subgroups, on the Math/Writing/Reading tests for the OAA and OGT Tests will be 85% or higher. The 85% goal is a short-term, attainable goal as a part of our district goal to have all students proficient by the 13-14 school year.

Where Are We Now? iii. Adaptation

Where Do We Want To Be? iv. Appropriation

Created Date: Fri Jan 04 16:31:42 GMT 2013

Created By: James Conley

Last Modified Date: Tue Jan 22 19:50:19 GMT 2013

Last Modified By: James Conley

• **Strategy: North West Evaluation Association (NWEA) testing.**

Outcome: NWEA Des Cartes system provides specific information about each student's particular curriculum areas of mastering or not mastering. Using this data will lead students and teachers to focus a stronger understanding of non mastered curriculum areas.

Evaluation Process: By monitoring/evaluating NWEA reports of student progress from fall to winter to spring testing.

Description: To increase the academic performance in math and reading by continual use of software NWEA to provide RIT scores and Des Cartes system to identify curriculum areas in need of mastery.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Technology Coordinator/Director

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): District Funding

Estimated Cost for Strategy - Year 1: 50000.0

Estimated Cost for Strategy - Year 2: 50000.0

Estimated Cost for Strategy - Year 3: 50000.0

Professional Development Need(s)

Identify PD Methods/Formats: Professional development provided by the curriculum directors, district technology chairpersons, the directory of technology, and outside consultants from NWEA.

Identify Person(s) to plan PD: Curriculum Coordinator/Director

How will PD be measured? • Exit surveys by inservice participants • Evaluate student created material • District survey • Bi-annual technology assessment by the BETA survey

How PD will support this Strategy? Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Tue Jan 15 20:19:34 GMT 2013

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 19:41:17 GMT 2013

Last Modified By: James Conley

• **Strategy: Implement Total Reader district wide**

Outcome: Increase student performance and learning

Evaluation Process: Gains on state testing and local assessments.

Description: The district will evaluate Total Reader software as a tool to support the system and targeted student learning.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Teacher

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): District funds

Estimated Cost for Strategy - Year 1: 12500.0

Estimated Cost for Strategy - Year 2: 12500.0

Estimated Cost for Strategy - Year 3: 12500.0

Professional Development Need(s)

Identify PD Methods/Formats: Professional development provided by the district as pullouts

Identify Person(s) to plan PD: Curriculum Coordinator/Director

How will PD be measured? Exit surveys by inservice participants, Evaluate student created material, District survey, Bi-Annual technology assessment by the BETA survey

How PD will support this Strategy? Professional development will ensure that all stakeholders are able to take advantage of the instructional technology.

Created Date: Tue Jan 15 20:34:22 GMT 2013

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 19:50:19 GMT 2013

Last Modified By: James Conley

Phase 3. Technology Policy, Leadership and Administration

• **Goal: Online Safety**

Goal Type: Developing Policy

If other, please specify:

Goal Description: Provide online safety curriculum to educate our students on appropriate online behavior and practices.

Needs Assessment: Ongoing reporting of bullying and inappropriate online behavior

Where Are We Now? ii. Adoption

Where Do We Want To Be?iv. Transformation

Created Date: Mon Nov 12 21:51:40 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 15 23:13:35 GMT 2013

Last Modified By: James Conley

• **Strategy: Online (web-based)/Public School Works training for staff and students**

Outcome: Educate staff/students through our current Public Schools Works safety training online system

Evaluation Process: Monitor staff usage through Public School Works online systems

Description: Provide staff with resources to educate students on topics such as bullying (cyber bullying), online behavior, and internet safety.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Superintendent

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): Part of our subscription to Public School Works

Estimated Cost for Strategy - Year 1: 0.0

Estimated Cost for Strategy - Year 2: 0.0

Estimated Cost for Strategy - Year 3: 0.0

Professional Development Need(s)

Identify PD Methods/Formats: Our Staff is already familiar with Public Schools Works training and services. Additional training if required can be done at the building level by the vendor or experienced staff members.

Identify Person(s) to plan PD: Assistant Superintendent;Curriculum Coordinator/Director;Principal

How will PD be measured? Feedback from staff and students on topic. Track usage of resources via PSW tools.

How PD will support this Strategy? By providing our staff with the resources/skills to properly teach our students how to safely interact and behave online.

Created Date: Mon Nov 12 21:56:10 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Wed Jan 23 13:40:53 GMT 2013

Last Modified By: Erich Heidenreich

• **Strategy: Add Local M8e6 Web Filter**

Outcome: Safely provide additional educational opportunities for staff and students while providing an additional level of protection.

Evaluation Process: Staff and students able to access resources

Description: Many educational resources are not accessible with the current level of filtering (Ex. Kahan Academy). While other areas remain troublesome to filter properly. A local filter will help provide additional resources and safety.

Position(s) Responsible:Technology Coordinator/Director

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): PI Fund

Estimated Cost for Strategy - Year 1: 3300.0

Estimated Cost for Strategy - Year 2: 0.0

Estimated Cost for Strategy - Year 3: 0.0

Professional Development Need(s)

Identify PD Methods/Formats: Online and hands on training with ITC staff.

Identify Person(s) to plan PD: Technology Coordinator/Director

How will PD be measured? Technology staff able to utilize the new filter.

How PD will support this Strategy? PD will allow the technology staff to affectively use the filter.

Created Date: Wed Nov 28 22:04:01 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Wed Jan 23 13:41:47 GMT 2013

Last Modified By: Erich Heidenreich

• **Strategy: Online (web-based)/Learning3.com training for staff and students**

Outcome: Educate staff/students through learning3.com safety training online system

Evaluation Process: Monitor staff/student usage through learning3.com online systems

Description: Provide staff with resources to educate students on topics such as bullying (cyber bullying), online behavior, and internet safety.

Position(s) Responsible: Curriculum Coordinator/Director;Principal;Superintendent

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): Service is provided by ETech Ohio at no cost to the school district

Estimated Cost for Strategy - Year 1: 0.0

Estimated Cost for Strategy - Year 2: 0.0

Estimated Cost for Strategy - Year 3: 0.0

Professional Development Need(s)

Identify PD Methods/Formats: Learning3.com resources and website will be new to our staff so before/after school PD to introduce the resources will need to be implemented. Once enough staff has been trained additional training if required can be done at the building level by experienced staff members.

Identify Person(s) to plan PD: Assistant Superintendent;Curriculum Coordinator/Director;Principal

How will PD be measured? Feedback from staff and students on topic. Track usage of resources via learning3.com tools.

How PD will support this Strategy? By providing our staff with the resources/skills to properly teach our students how to safely interact and behave online.

Created Date: Mon Nov 19 18:48:46 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 15 23:13:17 GMT 2013

Last Modified By: James Conley

Phase 4. Technology Infrastructure, Management and Support

• **Goal: VOIP Phone system extended to other academic buildings**

Goal Type: Networking, Internet and Telecommunications

If other, please specify:

Goal Description: Currently our stadium has an older analog phone system that is in need of repair/replacment. It would be more cost effective to extend our existing phone system located on the same campus than purchase a separate system.

Needs Assessment: Phone system provides access for student and staff to communicate with parents and the community. It would also provide voice mail ability, so that parents would be able to communicate with part time and volunteer personnel

Where Are We Now? i. None

Where Do We

Want To Be? iii. Researching
Created Date: Sun Sep 09 22:29:14 GMT 2012
Created By: Erich Heidenreich
Last Modified Date: Wed Jan 23 16:57:07 GMT 2013
Last Modified By: James Conley

• Strategy: Research available funding

Outcome: District will be able to fund connection of facilities that are used by students for music and athletic programs providing access to technology for those programs.
Evaluation Process: TBD
Description: District will research available funding to provide services to additional buildings to support the needs of all students.
Position(s) Responsible:
Timeline:

Estimated Budget for this Strategy

Funding Source (if applicable): Unknown
Estimated Cost for Strategy - Year 1:
Estimated Cost for Strategy - Year 2:
Estimated Cost for Strategy - Year 3:

Professional Development Need(s)

Identify PD Methods/Formats: TBD
Identify Person(s) to plan PD:
How will PD be measured? TBD
How PD will support this Strategy? TBD
Created Date: Tue Jan 15 23:06:55 GMT 2013
Created By: James Conley
Last Modified Date: Tue Jan 15 23:06:55 GMT 2013
Last Modified By: James Conley

• Goal: Provide students with access to mobile device technology

Goal Type: Networking, Internet and Telecommunications

If other, please specify:

Goal Description: Increased wireless access that is capable of providing secure access to 5000+ devices to support ongoing and future wireless needs.

Needs Assessment: Piqua City Schools will be moving away from physical labs to more mobile devices like ipads/netbooks mobile labs. PCS has implemented a successful BYOD/BYOT at the secondary level that will be expanded to the lower grades as infrastructure and wireless density allow.

Where Are We Now? iii. Many

Where Do We Want To Be? iv. Increase

Created Date: Sun Sep 09 22:37:33 GMT 2012
Created By: Erich Heidenreich
Last Modified

Date: Wed Jan 16 00:01:55 GMT 2013

Last Modified By: James Conley

• Strategy: New Infrastructure and wireless upgrade

Outcome: District, staff and student (BYOD) owned devices will be able to participate in online curriculum resources without any disruption or loss in wireless service

Evaluation Process: With an infrastructure/wireless upgrade there should be a decrease in the number of dropped wireless coverage. As density vs coverage changes a greater number of devices will be able to be supported

Description: To upgrade our aging/limited network MDF/IDF across our primary and intermediate buildings to support mobile labs, BYOD and one-to-one computing.

Position(s) Responsible: Technology Coordinator/Director

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): Priority 2 Funding via E-rate and District Funding via PI Funds

Estimated Cost for Strategy - Year 1: 225000.0

Estimated Cost for Strategy - Year 2: 0.0

Estimated Cost for Strategy - Year 3: 0.0

Professional Development Need(s)

Identify PD Methods/Formats: Online/Vendor supplied training on AP and Controller will need to be provided for technology staff. Additionally administrators, staff and students will be trained in the use of the district and BYOD wireless network.

Identify Person(s) to plan PD: Technology Coordinator/Director;Vendor Representative

How will PD be measured? Use of district, staff and student wireless devices

How PD will support this Strategy? Professional development will ensure successful implementations of our move to mobile infrastructure and BYOD.

Created Date: Mon Nov 12 21:29:50 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 20:11:31 GMT 2013

Last Modified By: James Conley

• Strategy: Wireless AP mapping

Outcome: Collect heat maps for current and future AP locations to place additional AP where needed.

Evaluation Process: Using heat maps and wireless 2.4GHZ and 5.0GHZ data from our Ruckus controller as well as usage data from the controllers will provide feed back to where more coverage is needed.

Description: As more and more of the district owned devices and the implementation of a BYOD is phased in more and more AP will need to be optimally placed to handle the increase in demand

Position(s) Responsible: Technology Coordinator/Director

Timeline: 6 months -1 year

Estimated Budget for this Strategy

Funding Source (if applicable): PI Fund, General Fund

Estimated Cost for Strategy - Year 1: 25000.0

Estimated Cost for Strategy 25000.0
- Year 2:

Estimated Cost for Strategy 25000.0
- Year 3:

Professional Development Need(s)

Identify PD Methods/Formats: Vendor supplied and in-house training to technical staff and contractors. Also, we will use on-line resources for additional training.

Identify Person(s) to plan PD: Technology Coordinator/Director

How will PD be measured? Support request for wireless coverage should decrease as more reliable coverage is provided.

How PD will support this Strategy?With PD the technology staff will be able to monitor and maintain the wireless infrastructure.

Created Date: Mon Sep 10 01:09:16 GMT 2012

Created By: Erich Heidenreich

Last Modified Date: Tue Jan 22 20:13:11 GMT 2013

Last Modified By: James Conley

• Strategy: Continued expansion of mobile devices

Outcome: Students will have improved access to technology over our existing traditional desktop labs and classroom computers.

Evaluation Process: Teacher surveys such as eTech BETA survey. Inventory totals

Description: The district will continue to expand the numbers of mobile devices as funding becomes available.

Position(s) Responsible: Technology Coordinator/Director

Timeline: 1 year - 2 years

Estimated Budget for this Strategy

Funding Source (if applicable): PI Technology fund

Estimated Cost for Strategy - Year 1: 100000.0

Estimated Cost for Strategy - Year 2: 100000.0

Estimated Cost for Strategy - Year 3: 100000.0

Professional Development Need(s)

Identify PD Methods/Formats: Teacher pull out, after school (provided for PD or CEU credit) and locally created on-line training.

Identify Person(s) to plan PD: Technology Coordinator/Director

How will PD be measured? Teacher and principal survey

How PD will support this Strategy?As new technology becomes available, staff members will need to be trained in how to make the best use of this technology

Created Date: Wed Jan 16 00:01:55 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 16 00:01:55 GMT 2013

Last Modified By: James Conley

• Goal: Continued support of existing desktop technology

Goal Type: Access to Technology

If other, please specify:

Goal Description: As the district moves to more mobile devices, it remains critical that the district support our existing technology base.

Needs Assessment: This technology provides the foundation for existing services to our students and staff members.

Where Are We Now? iii. Pervasive

Where Do We Want To Be?iii. Pervasive

Created Date: Wed Jan 16 00:05:19 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 16 00:11:01 GMT 2013

Last Modified By: James Conley

• Strategy: Replacements and repairs

Outcome: Continued high reliability and availability of technology

Evaluation Process: Teacher surveys, information from Public School Works IT Assistant.

Description: While the district is moving to more mobile devices, our traditional desktop systems will continue to be our technology foundation for many years. Currently the district is supporting around 1,750 desktop systems.

Position(s) Responsible: Technology Coordinator/Director

Timeline: 1 year - 2 years

Estimated Budget for this Strategy

Funding Source (if applicable): Technology PI fund

Estimated Cost for Strategy - Year 1: 25000.0

Estimated Cost for Strategy - Year 2: 25000.0

Estimated Cost for Strategy - Year 3: 25000.0

Professional Development Need(s)

Identify PD Methods/Formats: On-line

Identify Person(s) to plan PD: Technology Coordinator/Director

How will PD be measured? Teacher survey

How PD will support this Strategy? These are services that our staff members know very well, however it will be necessary to provide teachers with updated information as it becomes available.

Created Date: Wed Jan 16 00:11:01 GMT 2013

Created By: James Conley

Last Modified Date: Tue Jan 22 20:16:26 GMT 2013

Last Modified By: James Conley

• Goal: SmartBoard Technology

Goal Type: Access to Technology

If other, please specify:

Goal Description: Every classroom will have access to interactive whiteboard technology

Needs Assessment: One of the key technology needs of our students and staff members is the ability to interact with and display information for small and large groups

Where Are We Now? iii. Pervasive

Where Do We Want To Be?iii. Pervasive

Created Date: Wed Jan 16 00:15:01 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 16 00:21:29 GMT 2013

Last Modified By: James Conley

• Strategy: Provide Interactive whiteboard technology for all classrooms

Outcome: Providing interactive whiteboard technology for all classrooms will increase student engagement and increase student learning.

Evaluation Process: Student test results and staff surveys.

Description: Currently the district has 209 classrooms with interactive whiteboards. As the district adds or updates classrooms, it is important that this technology is extended into those locations

Position(s) Responsible: Technology Coordinator/Director

Timeline: 1 year - 2 years

Estimated Budget for this Strategy

Funding Source (if applicable): OSFC funds, PI - Technology funds

Estimated Cost for Strategy - Year 1: 5000.0

Estimated Cost for Strategy - Year 2: 5000.0

Estimated Cost for Strategy - Year 3: 200000.0

Professional Development Need(s)

Identify PD Methods/Formats: After school staff development for Staff development or CEU credit. On-line staff development and web based resources.

Identify Person(s) to plan PD: Curriculum Coordinator/Director;Technology Coordinator/Director

How will PD be measured? Student results, Staff surveys

How PD will support this Strategy? Continuing existing training will extend the reach to additional staff members and move currently trained staff members to higher levels of use.

Created Date: Wed Jan 16 00:21:29 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 23 18:04:36 GMT 2013

Last Modified By: James Conley

• Goal: Access to web based applications

Goal Type: Access to Educational Information and Applications

If other, please specify:

Goal Description: Increase access to cloud/web based applications

Needs Assessment: Many of the available educational and support applications are now web based. The district needs to secure reliable access to these applications

Where Are We Now? iii. Adequate

Where Do We Want To Be?iv. Advanced

Created Date: Wed Jan 16 17:17:47 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 23 16:50:54 GMT 2013

Last Modified By: James Conley

• Strategy: Explore options to increase bandwidth for web based applications

Outcome: Increased bandwidth between sites at a lower cost.

Evaluation Process: Evaluation based on costs vs. speed and reliability

Description: The district will explore various options to increase Internet bandwidth, both between sites and to the outside world. Currently we are exploring options such as wireless connections between sites, fiber provided by the City of Piqua or our ITC and various options provided by local service providers including MDECA and Timewarner.

Position(s)

Responsible: IT Director

Timeline: 1 year - 2 years

Estimated Budget for this Strategy

Funding Source (if applicable): District general fund, PI fund (equipment), E-Rate

Estimated Cost for Strategy - Year 1: 30000.0

Estimated Cost for Strategy - Year 2: 30000.0

Estimated Cost for Strategy - Year 3: 30000.0

Professional Development Need(s)

Identify PD Methods/Formats: Existing including on-line, teacher after school and pullout, vendor provided training (example; Discovery Education) and newsletter format.

Identify Person(s) to plan PD: Curriculum Coordinator/Director; IT Director; Teacher

How will PD be measured? student results and teacher survey.

How PD will support this Strategy? Continuing existing training will extend the reach to additional staff members and move currently trained staff members to higher levels of use.

Created Date: Wed Jan 16 17:24:27 GMT 2013

Created By: James Conley

Last Modified Date: Wed Jan 23 16:50:54 GMT 2013

Last Modified By: James Conley

Budget and Planning

Phase	2013-14	2014-15	2015-16	Total by Phase
2. Curriculum Alignment & Instructional Integration	\$287,500.00	\$287,500.00	\$287,500.00	\$862,500.00
3. Technology Policy, Leadership and Administration	\$3,300.00	\$0.00	\$0.00	\$3,300.00
4. Technology Infrastructure, Management and Support	\$410,000.00	\$185,000.00	\$380,000.00	\$975,000.00
Grand Total by Years	\$700,800.00	\$472,500.00	\$667,500.00	\$1,840,800.00