

Waynesboro Technology Plan

July 1, 2015 - June 30, 2018 Addendum

Waynesboro City Schools has developed this technology plan to be integrated into Waynesboro's Strategic Plan. Waynesboro's Strategic Plan for Excellence was created to assure the Waynesboro is moving forward in approving instruction for our students in all areas of our school division. We have used the Virginia State Technology Plan's Goals and the Goals of the Waynesboro's Strategic Plan as a guide to plan the next 2 years of technology through the office of Technology, the Office of Student Services, and the Office of Instruction.

Stakeholders to the Technology Plan:

- All of our Students
- Office of Instruction
- Office of Student Services
- Office of Personnel
- Office of Transportation
- Parents
- Eastern Mennonite University Partnership
- Local Businesses

Waynesboro City Schools has developed this technology plan looking at how technology is changing so fast every year. We know that as we developed this plan we needed to realize that the technology and techniques we use today might not be here tomorrow. We have put together a committee of folks that have a big part in how Waynesboro City Schools uses and teaches technology to students in our schools division. Our mission statement, listed below, is our focus or roadway. Our Strategic Plan for Excellence is our Vehicle and this Technology Plan is the steering wheel to move students forward in education and technology to be a successful student.

Mission Statement:

The Central Mission of the Waynesboro Public Schools is to provide high quality education for all students. Waynesboro Public Schools is committed to a quality education that includes a strong academic program designed to meet student needs; comprehensive programs which prepare and encourage students to be productive citizens; quality learning environments and school facilities; a diverse, highly trained staff committed to working effectively with youth; and strong partnerships with parents and the community. The mission requires a process of evaluation, continual improvement, strategic planning, analysis of data, and consensus based decision-making.

We sent out a survey on our Google mail system asking our teachers to tell us what their needs are to integrate technology into our curriculum and their lesson plans. We sent out the survey with about 25 questions on technology, software, support, and on line resources. We got back about 30% teacher responses of all of our professional staff. The technology planning committee took the results to help us put together this technology plan.

State Technology Goals and Objectives with Local (Waynesboro Public Schools) Strategies

Goal 1: Provide a safe, flexible, and effective learning environment for all students

Objective 1.1: Deliver appropriate and challenging curricula through face-to-face, blended, and virtual learning environments.

Strategies	Evaluation Strategies
1) Expand the virtual opportunities for our students to include experiences on student interests.	1a) Evaluation Program of Studies opportunities 1b) Student surveys, Superintendent's Newsletter 1c) Annual review process in which available resources are vetted. (evaluation documentation) 1d) Feedback from students with focus group reviewing resources provided.
2) Virtual opportunities will encourage international interactions using social media tools.	2) Evaluate social networking resources for teachers through the budget process.

Objective 1.2: Provide the technical and human infrastructure necessary to support real, blended and virtual learning environments.

Strategies	Evaluation Strategies
1) Lowering student to personal electronic computing devices to 1:1 ratio by 2020	1) Technology inventory increasing every year when the budget allows us to.
2) Instructional Technology Resource Teacher (ITRT) for every 400 students to assist in teaching and learning instead of the SOQ standard of 1,000 to 1.	2a) Personnel budget process 2b) Teacher surveys and observations
3) Ensure that technology and the infrastructure is operational and secure.	3) Lower the ratio of IT support per students from the SOQ standards of 1,000:1 to 400:1 putting 1 in every school building.
4) Untethered access to computer resources and the internet by expanding WiFi throughout the buildings.	4a) WiFi upgrade January 2016 throughout all buildings. 4b) Keep working on lowering the ratio of students to computer devices.
5) Personal response systems available for teachers when they need them or apps on mobile devices.	5) Walk-throughs
6) Keep infrastructure ahead of next generations demands	6a) Evaluate next generations standards against our infrastructure. 6b) Keep planning an infrastructure upgrade every 5 years.

Objective 1.3

Provide high-quality professional development to help educators create, maintain, and work in a variety of learner-centered environments.

Strategies	Evaluation Strategies
1) Continue to implement the Instructional Technology Resource Teachers (ITRT) to model and incorporating the use of technology as a learning accelerator in the classroom.	1a) Continue to monitor number of technology resource teachers and monitor types of implementation of technology integrated into the curriculum and lesson plans. 1b) Walk-through observations.
2) Establish a collaborative partnership between schools that pairs teachers of like grade levels or content areas to plan, implement and evaluate lessons that incorporate teacher and student use of technology.	2) Observations of grade level meetings.
3) Implement a long range technology based staff development plan that includes standards of expectation and monitoring of use and skill development.	3) Evaluate the number of trainings and monitor the skill level and number of technology uses throughout our staff development plans
4) Partner with community organizations to provide high-quality professional development for teachers. Partners with colleges such as Eastern Mennonite University and Mary Baldwin and other local organizations.	4) Continue to evaluate joint programs through colleges, universities, and other local partners to give teachers continuing education through the use of technology.

Goal 2: Engage students in meaningful curricular content through the purposeful and effective use of technology.

Objective 2.1 Support innovative professional development practices that promote strategic growth for all educators and collaboration with other educators, content experts, and students.

Strategies	Evaluation Strategies
1) To promote and encourage integrated studies using technology and 21st century skills across subject areas.	1a) Observations and walk-throughs 1b) Monitoring grade level meetings.
2) Lead Teams to attend conferences like VSTE and the Va Dept. of Ed. Technology Leadership conferences with the expectations of bring back new technology skills to our teachers.	1) Schedule staff development training sessions for the lead team to inform staff of what they learned at these conferences.
3) Facilitate the development and delivery of professional development opportunities that focus on effective technology use in specific and across all core curricular areas.	1) Continue to evaluate our staff development days to make sure we integrate technology learning and tools with curriculum ideas and strategies.

Objective 2.2 Actualize the ability of technology to individualize learning and provide equitable opportunities for all learners.

Strategies	Evaluation Strategies
1) Use our technology resources in the most effective manner.	1a) Evaluate these resources through our budget process 1b) Walk-through
2) Begin to implement the technology standards K-12	2) Review teacher lesson plans by administration and ITRTs.
3) Provide resources and support for our ITRTa to assist teachers in intergrating technology into teaching and learning.	3) Observing the work load of the ITRTs to make sure we don't pull away from our coaching model.

Objective 2.3 Facilitate the implementation of high-quality Internet safety programs in schools.

Strategies	Evaluation Strategies
1) Review current Internet Safty Plan yearly and revise as needed.	1) Observe the teachers instruction during students internet learning on the computers.
2) Train teachers and set expectations for how to teach and model Internet safety.	2) Continue to observe Internet Safety training program.
3) Make sure students are provided time for Interent safety program to be introduced to students annually	3) Continue to bring up Internet Safety program at principals meetings for evaluation.

Goal 3: Afford students with opportunities to apply technology effectively to gain knowledge, develop skills, and create and distribute artifacts that reflect their understandings.

Objective 3.1 Provide and support professional development that increases the capacity of teachers to design and facilitate meaningful learning experiences, thereby encouraging students to create, problem-solve, communicate, collaborate, and use real-world skills by applying technology purposefully.

Strategies	Evaluation Strategies
1) Develop professional development workshops and courses that support integrating technology into teaching and learning.	1) Continue to evaluate our staff development plan to make sure we have the appropriate amount of days that include technology integration in the classroom.
2) Use observations and ITRT training that promotes student-centered lesson with the student use of technology.	2) Walk-throughs
3) Keep partnering with other school divisions with technology developed training like SVTC and Google Training.	3) Continue to encourage teachers to take these opportunities when they can by paying some of their expenses.
4) Begin implementation of the Waynesboro's technology SOLs with the support provided through the ITRTs to support teachers in the implementation.	4a) Observe school tech meetings. 4b) Bring topic up at Principals meetings for discussion.

Objective 3.2 Ensure that students, teachers, and administrators are ICT (Information, Communication & Technology) literate.

Strategies	Evaluation Strategies
1) Revisit TSIP certification requirements and update to match current day needs.	1) Evaluate the portfolios the teachers submit for their TSIP to make sure they are ICT literate.
2) Implement a training course to keep teachers abreast of current technology.	2) Continue to evaluate our staff development plan to ensure new technology is presented at multiple times during the school year.
3) Encourage NETS*T Certification for all teachers.	3) Keep track of the number of teachers that complete this certification. Give teachers an opportunity to purchase technology to benefit what they have learned in their classroom.

Objective 3.3 Implement technology-based formative assessments that produce further growth in content knowledge and skills development.

Strategies	Evaluation Strategies
1) Use secure social networking programs such as Moodle , CurriculumNow and Goggle Apps to collaborate with students on content area knowledge.	1) Keep track of the login times of teachers and students on these systems.
2) Continue implementation of Assessment for students online.	2) Making sure each year we have the infrastructure and technology in the schools to handle the upscale implementation.
3) Create learning experiences that allow for students to demonstrate mastery through the creation of technology projects.	3) Walk-throughs and student work saved on Goggle and cloud based servers.

Goal 4: Provide students with access to authentic and appropriate tools to gain knowledge, develop skills, extend capabilities, and create and disseminate artifacts that demonstrate their understandings.

Objective 4.1 Provide resources and support to ensure that every student has access to a personal computing device.

Strategies	Evaluation Strategies
1) Encourage students to provide personal computing devices.	1) Monitor the personal devices being used in the classroom.
2) Investigate and implement usage policies such as limited internet access and centralized management of technology devices.	2) Monitor the bandwidth issues so that the use of technology isn't hindered by the other networking issues.
3) Investigate something like/implement virtualized desktops in all schools beginning at the high school level.	3) Continue to evaluate the ratio of students to computing devices to lower the ratio each year until we get to a 1:1 ratio.
4) Identify potential resources and funding for personal computing devices.	4) Continue to monitor our 5 year replacement of computers and budget requests for more technology.

Objective 4.2 Provide technical and pedagogical support to ensure that students, teachers, and administrators can effectively access and use technical tools.

Strategies	Evaluation Strategies
1) Provide resources and support to assist teachers in integrating technology into teaching and learning.	1) Walk-thoughts and observations of ITRTs
2) Provide families, businesses and media with our technology plan and solicit support.	2) Make sure our Technology plan is visible on the schools divisions website and continue to evaluate our partnerships for support.
3) Focus principals on what to look for when doing observations (teaching, ITRTs, parents, and community/businesses).	3) Using the ISTE rubrics to make sure administration knows how to evaluate technology use in the classroom.
4) Increase ITRT staff (lower student to ITRT ratio)	4) Continue to observe budget requests for more ITRTs.

Objective 4.3 Identify and disseminate information and resources that assist educators in selecting authentic and appropriate tools for all grade levels and curricular areas.

Strategies	Evaluation Strategies
1) Provide resources and support for teachers to pursuer innovative uses of emerging technologies.	1) Software and internet resource inventory for our teachers to choose from.
2) Continue to allow ITRTs to support teachers in using the appropriate tools for their grade level.	2) Continue to do observations.

Goal 5: Use technology to support a culture of data-driven decision making that relies upon data to evaluate and improve teaching and learning.

Objective 5.1 Use data to inform and adjust technical, pedagogical, and financial support.

Strategies	Evaluation Strategies
1) Continue to use online assessment to assess students and help with decision making.	1) Keep making sure our decisions that we make in our staff meeting are based on our data that we get from our data sources.
2) Use the Master Data Collection required by the state for our own data driven decisions as well as the states.	2) Building and monitoring our data warehouse for information often to assure us we are making the right decisions.
3) Continue to look at how we spend money to support the data we are getting from resources we have in place.	3) Budget planning every year.

Objective 5.2 Provide Instruction support to help teachers disaggregate, interpret, and use data to plan, improve, and differentiate instruction.

Strategies	Evaluation Strategies
2) Continue to use ITRTs to help teachers plan lessons around the data they have and differentiate instruction.	2) Encourage teachers to continue to use ITRTs when planning their lessons.
3) Lower the ratio of students to ITRTs to a goal of 400:1	3) Continue to watch for budget request for ITRTs.

Objective 5.3 Promote the use of technology to inform the design and implementation of next-generation standardized assessments.

Strategies	Evaluation Strategies
1) Continue implementation of online benchmarks.	1) Make sure it is in the budget each year.
2) Identify pilot projects that support technology-based assessments.	2) Set a side money in the budget process for pilot projects.
3) Continue supporting online training for teachers in this area.	3) Making sure there is money set a side for this kind of staff development.

Technology Budget

Funding Source	Currently	2016-2017	2017-2018
State Funding VPSA Bonds	208,000	208,000	258,000
Local Match of VPSA	45,000	45,000	45,000
Local Technology (Year End Money)	50,000	25,000	0
Local Instruction Budget	25,000	25,000	25,000
TextBook Fund	185,000	185,000	185,000
Title I (Wenonah and William Perry)	50,000	50,000	50,000
Personnel Budget - this includes the ITRTs and the technology support staff.	300,000	350,000	400,000

Budget Timetable and the Supporting Sources

Strategies	Timetable	Budget Source
1.1.1	Yearly	N/A
1.1.2	Yearly	VPSA, Local Technology, Title I
1.2.1	On Going	VPSA, Local Technology, Title I
1.2.2	Yearly starting in 2016	Personnel Budget
1.2.3	Yearly starting in 2016	Personnel Budget
1.2.4	currently in process	Local Technology
1.2.5	On Going	VPSA, Local Technology, Title I
1.2.6	Every 4 years or less	VPSA, Local Technology
1.3.1	Yearly starting in 2016	Personnel Budget
1.3.2	On Going	N/A

Strategies	Timetable	Budget Source
2.1.1	On Going	Title I & Technology Budget
2.1.2	Yearly	Title I & Technology Budget
2.1.3	On Going	Instructional Budget
2.2.1	On Going	Instructional & Technology Budget
2.2.2	Yearly	N/A
2.2.3	Yearly	Instructional Budget
2.3.1	Yearly	Instructional Budget
2.3.2	On Going	N/A
2.3.3	Yearly	N/A
2.3.4	Yearly	N/A
3.1.1	Yearly	Instructional Budget
3.1.2	On Going	N/A
3.1.3	On Going	Instructional Budget
3.1.4	Quarterly	N/A
3.2.1	On Going	N/A
3.2.2	Yearly	Instructional Budget
3.2.3	Yearly	Personnel Budget
3.3.1	Yearly	Technology Budget
3.3.2	Yearly	Instructional Budget
3.3.3	On Going	N/A
4.1.1	On Going	N/A
4.1.2	On Going	N/A
4.1.3	On Going	Technology Budget
4.1.4	Yearly	Technology Budget
4.2.1	On Going	Instructional & Technology Budget
4.2.2	Yearly	N/A
4.2.3	Yearly	Instructional Budget

Strategies	Timetable	Budget Source
4.2.4	Yearly starting in 2016	Personnel Budget
4.3.1	On Going	Instructional & Technology Budget
4.3.2	Quarterly	N/A
4.3.3	On Going	N/A
5.1.1	Yearly	Instructional Budget
5.1.2	Quarterly	Personnel Budget and Technology Budget
5.1.3	Yearly	Textbook Fund
5.2.1	Yearly	N/A
5.2.2	Yearly	N/A
5.2.3	Yearly starting in 2016	Personnel Budget
5.3.1	Yearly	Instructional Budget
5.3.2	Yearly	Technology Budget
5.3.3	Yearly	Instructional & Technology Budget

This technology plan is based on the needs of the Waynesboro Public Schools for the next 2 years. Some of these strategies continue past year 2018 and will be updated as needed. We, as a committee realize the economy is at an all time low. Our technology budget hasn't changed much since 2012-2013. As the economy allows, we will slowly increase our local technology budget through the next few years to support this plan we have put in place.