

Amherst County Public Schools

2016 ~ 2018

Addendum to the
Educational Technology Plan
for Virginia: 2010-2015



TARGETS, ACTIONS, AND TIMELINES

Integration - The appropriate use of technology in instruction resulting in improved student learning and achievement and mastery of Virginia's Standards of Learning.

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.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
1.1.1: Increase awareness of Virtual Virginia & opportunities for Personalized Learning.	BL/ADMIN CO/TECH	Provide training as needed for faculty and staff, to promote available courses and the requirements needed for students to participate.	EM	EM	EM			
1.1.2: Encourage all students who meet the criteria to take Virtual Virginia classes.	BL/ADMIN BL/TEAC	Provide students with the most recent courses available.	EM	EM	EM			
1.1.3: Implement ELMS (Educational Learning Management System) an online portal system utilizing Google Drive to promote online collaboration among teachers, students, and classes.	CO/IS CO/TECH BL/ADMIN BL/TEAC	Provide professional development demonstrating how teachers can use ELM. for lesson planning, curriculum dialog and student teacher collaboration for a blended 21st Century learning environment.	DIR	DIR	DIR			
1.1.4: Expand facilitation of ELMS to incorporate a blended learning environment.	CO/IS CO/TECH BL/TEAC	Expand opportunities for students to participate in Lancer Academy (online virtual/blended environment).	EM	EM	EM			
1.1.5 Gather data with an emphasis on evaluating student learning environments	SUPT CO/IS BL/ADMIN	Utilize technology based data gathering tools (i.e.: Interactive Achievement, VARDT, iPads, iPods...etc.)	M	M	M			

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

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
1.2.1: Identify potential partnerships that can be leveraged to increase access to virtual learning opportunities.	BL/ADMIN BL/TEAC	Recruit businesses to a Partnership in Education program to facilitate 21st Century learning programs.	MR	MR	MR			
1.2.2: Utilize ITRTs and other resources to promote the best practices of integrating technology into teaching and learning.	SUPT CO/IS BL/ADMIN CO/TECH	Collaborate with classroom teachers concerning instructional needs; expand professional development offerings; analyze division data to determine how instructional technology assistance could be offered.	MR	MR	MR			
1.2.3: Meet or exceed the Standards of Quality staffing requirements.	SB SUPT CO/HR	Ensure that standards are met and maintained in all categories.	RM	RM	RM			
1.2.4: Meet or exceed state standards for infrastructure necessary to participate in online SOL testing	CO/TECH	Evaluate core switches and routers to ensure a fast and reliable network. Evaluate the connections between building vs. data usage and size WAN connections accordingly.	RM	RM	RM			
			ERM	ERM	ERM			

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
1.2.5: Ensure that instructional staff is included in decisions regarding instructional technology purchases and deployment.	CO/IS CO/TECH BL/ADMIN	Invite instructional staff to participate in the evaluation and purchase of new software.	RM	RM	RM			
		Ask key instructional staff to evaluate new hardware and software.	RM	RM	RM			
1.2.6: Offer opportunities for technology based extracurricular programs.	BI/ADMIN CO/TECH	Expand after school technology clubs.	EM	EM	EM			
1.2.7: Collect data from available resources to assess instructional technology needs.	BL/TEAC	Design and expand implementation of identified needs.	RM	RM	RM			

Objective 1.3 - Provide high-quality professional development to help educators create, maintain, and work in a variety of learner-centered environments.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
1.3.1: Utilize ITRTs to assist teachers in developing and implementing technology - integrated instruction.	CO/TECH BL/ADMIN	Model best practices with teachers through thoughtful applications and by seeking to improve learning in classroom instruction.	MER	MER	MER			
1.3.2: Continue to build and expand the annual Summer Technology Academy.	CO/TECH BL/ADMIN	Use data provided by teacher surveys to design and implement the annual Summer Technology Academy to target the needs of ACPS staff.	ERM	ERM	ERM			
1.3.3: Expand offerings of technology-based professional development before, during, or after school.	CO/TECH	Use data provided by teacher surveys to design and implement monthly technology professional development courses to target the needs of ACPS staff. Post annual technology development calendar	ERM DI	ERM DI	ERM DI			
1.3.4 Offer resources outside the school system to provide professional development in new technologies.	CO/TECH	Utilize resources to determine emerging technologies and evaluate available professional development opportunities.	RM	RM	RM			
1.3.5: Offer online libraries of professional development videos.	CO/TECH	Work with ITRTs to create and expand professional video library to be shared among teachers in school division.	DIM	DIM	DIM			

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.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
2.1.1: Make appropriate collaborative tools available to staff.	CO/TECH BL/ADMIN BL/TEAC	Provide professional development as needed to staff.	EIM	EIM	EIM			
2.1.2: Expand online media resources to include content from subject-matter experts.	CO/TECH BL/ADMIN BL/TEAC	Continue to search for the most effective online resources and make teachers aware of them by providing links in an accessible location.	RE	RE	RE			

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

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
2.2.1: Integrate technology based tools and resources to differentiate classroom instruction.	CO/IS CO/TECH BL/ADMIN BL/TEAC	Offer staff development on differentiation strategies which integrate technology.	MR	MR	MR			
2.2.2: Expand resources and support to assist teachers in integrating technology into teaching and learning.	CO/IS CO/TECH BL/ADMIN	Offer staff development and support for integration.	EDIM	EDIM	EDIM			
2.2.3: Develop and implement TEAS (Technology Educational Application Systems) that provide differentiated and equitable opportunities for all learners.	BL/TEC CO/TECH	Teachers will use data provided by TEAS to target individual student needs and provide differentiated learning when needed.	EDIM	EDIM	EDIM			

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
2.2.4: Provide a High School vocational program designed to meet the needs of the 21st century learners.	SUPT CO/IS CO/TECH BL/ADMIN	Designate a Vocational Education Evaluation Team (VEET)	EMR	EMR	EMR			
	VEET	Evaluate current High School vocational offerings.	MR	MR	MR			
	VEET	Make recommendations to the Superintendent on changes necessary in the vocational course offerings that will best prepare or students for a career in the 21st century.	MR	MR	MR			
	SUPT CO/IS CO/TECH BL/ADMIN	Evaluate VEET Recommendations; formulate any proposed changes to the current course offerings and submit a final recommendation to the school board.	MR	MR	MR			

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

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
2.3.1: Identify and disseminate best practices and resources to promote the integration of internet safety programs.	CO/TECH BL/TEAC	Maintain portal of Internet safety resources, updating and expanding as needed.	DMR	DMR	DMR			
2.3.2: Monitor the implementation of Internet safety policies and programs and provide technical assistance and support to ensure schools have effective programs and policies.	CO/TECH BL/TEAC	Maintain building level records of lessons taught, dates, etc; review with Supervisor of Technology annually.	MR	MR	MR			
2.3.3: Inform users of the AUP (Acceptable Use Policy) .	CO/TECH	Users will sign the AUP annually.	RM	RM	RM			

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.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
3.1.1: Provide professional development workshops, tutorials, and courses that support integrating technology into teaching and learning.	CO/IS CO/TECH	Develop workshops and video tutorials throughout the school year; continue Summer Technology Academy.	IMR	IMR	IMR			
3.1.2: Gather data with an emphasis on evaluating student learning environments	SUPT CO/IS BL/ADMIN	Utilize technology based data gathering tools (ie: Interactive Achievement, VARDT, iPads, iPods...etc.)	MR	MR	MR			

Objective 3.2 - Ensure that students, teachers, and administrators are ICT literate.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
3.2.1: Ensure all teachers and administrators are TSIP (Technology Standards for Instructional Personnel) certified.	CO/HR, CO/TECH BL/ADMIN	Monitor state licensure; continue training as needed to achieve certification.	EM	EM	EM			
3.2.2: Ensure NETS*S, NETS*T and NETS*A standards are met. NETS*S- The skills and knowledge students need to learn effectively and live productively in a digital world. NETS*T - The skills and knowledge educators need to change the way they teach, the way they work, and the way they learn in an increasingly connected global and digital society. NETS*A - The skills and knowledge school administrators and leaders need to lead and sustain a culture that supports digital-age learning, builds a vision for technology infusion, and transforms the instructional landscape.)	ITRTs	Review and define national standards with school community.	R	R	R			

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

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
3.3.1: Implement IA (Interactive Achievement) Assessment, Data Management and Reporting System	CO/IS BL/ADMIN BL/TEAC	Develop benchmark and teacher created assessments in IA.	MR	MR	MR			
3.3.2: Identify and disseminate information about technology tools and systems to help schools implement cognitively-based assessments.	BL/ADMIN BL/TEAC	Utilize ITRTs to keep staff members current on technology tools and systems.	EMR	EMR	EMR			
3.3.3: Investigate other digital opportunities to encourage growth in content knowledge and skills development.	CO/TECH BL/TEAC	Utilize ITRTs to keep staff members current on technology tools and systems.	EMR	EMR	EMR			

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.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
4.1.1: Deploy tablets and similar devices throughout our schools.	CO/TECH BL/TEAC Students	Train teachers and students in the proper use of technology.	EM	EM	EM			
4.1.2: Implement digital data application programming processes (ELMS/TEAS).	CO/TECH BL/TEAC Students	Expand and enhance the core application framework to promote an online virtual environment through the development of ELMS.	EM	EM	EM			
4.1.3: Research the possibility of outside funding to support digital learning.	CO/TECH SUPT SB CO/IS	Recruit new partners in learning to help fund initiatives.	EDIM	EDIM	EDIM			
4.1.4: Broaden the use of ELMS.	CO/TECH BL/TEAC Students	Provide professional development as needed to reinforce a blended learning environment.	M	M	M			

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

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
4.2.1: Utilize ITRTs and other resources to promote the best practices of integrating technology into teaching and learning.	CO/TECH BL/ADMIN BL/TEAC	ITRTs provide onsite and requested assistance to teachers.	EM	EM	EM			
4.2.2: Meet or exceed the Standards of Quality staffing requirements.	SB SUPT CO/TECH	Provide Instructional Technology Resource Teachers when funding is available.	EIM	EIM	EIM			
4.2.3: Provide timely and effective technical support to ensure that all tools and the network that supports them are installed and maintained properly.	CO/Tech ITRTs	Use data from participant surveys to define and determine upcoming professional development before and after school.	EM	EM	EM			
4.2.4: Expand the annual Summer Technology Academy.	CO/Tech ITRTs CO/IS	Use data from participant surveys to define and determine upcoming STAs.	EM	EM	EM			
4.2.5: Expand offerings of technology-based professional development before, during, or after school.	ITRTs CO/IS BL/ADMIN	Use data from participant surveys to define and determine upcoming professional development before and after school.	EM	EM	EM			

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.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
4.3.1: Ensure teachers are developing and completing their professional development plans.	CO/TECH BL/ADMIN BL/TEAC	Utilize the ITRTs, library media specialists, and content area specialists to assist teachers in completing their professional development plans.	EM	EM	EM			
4.3.2: Provide resources and support for teachers to pursue innovative uses of emerging technologies.	CO/TECH BL/ADMIN BL/TEAC	Provide Professional development on emerging technologies for teachers.	EM	EM	EM			
4.3.3: Evaluate a variety of instructional pedagogies and personal computing devices.	CO/TECH BL/TEAC	Design and implement pilot projects to evaluate a variety of instructional pedagogies and personal computing devices.	M	M	M			

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.

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
5.1.1: Implement Interactive Achievement, PowerSchool, Pearson’s EIMS and other data driven tools to track student achievement.	CO/IS CO/TECH BL/ADMIN BL/TEAC	Provide training for new personnel as needed.						
			RM	RM	RM			
5.1.2: Use data to support strategic plans and purchases.	CO/IS CO/TECH	Provide key decision makers with data to make informed plans and purchases.	RM	RM	RM			
5.1.3: Conduct an annual survey and provide local education agencies with an annual statewide technology status report.	CO/TECH	Compose and conduct survey; share results with stakeholders.	RM	RM	RM			

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

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
5.2.1 Utilize available personnel to disaggregate, interpret, and use data to plan, improve, and differentiate instruction.	CO/IS CO/TECH	Expand the role of ITRTs in analyzing and disaggregating data.	2016	2017	2018			
			DIM	DIM	DIM			
5.2.2 Support teachers in the analysis of data.	CO/IS CO/TECH	Identify and determine resources to train teachers in the analysis of data for instructional purposes.	RM	RM	RM			

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

Strategy	PIC	Actions	Timeline					
			2016	2017	2018			
5.3.1 Use innovative delivery platforms, for students to demonstrate understanding.	CO/TECH	Train Instructional Staff in use of innovative assessment tools. Investigate Project based learning applications.	2016	2017	2018			
			RM	RM	RM			
5.3.2 Replicate technology enhanced item format in benchmark and teacher created assessments.	CO/IS	Work closely with VDOE to replicate similar testing formats within district testing.	EIM	EIM	EIM			