WARWICK VALLEY CENTRAL SCHOOL DISTRICT

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Smart Schools Plan

2018-19

Warwick Valley Central School District
TECHNOLOGY PLAN
2018-19

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BOARD OF EDUCATION MISSION AND GOALS

Warwick Valley Central School District Board of Education Mission Statement:

To provide all students with the necessary skills to thrive in the 21st Century as learners, workers and citizens.

Board of Education Goals:

To create an educational system that supports learning in a changing society and prepares all students for a successful life in and beyond school through:

- Continuous collaborative improvement of instruction and instructional leadership that supports delivery of 21st Century skills

- Continuous data-driven improvement in student performance, engagement and satisfaction using relevant assessments that measure 21st Century outcomes

- Supporting student success in home, school and community

- Fostering a culture where individuals are valued and engaged

EXECUTIVE SUMMARY

The mission of the Warwick Valley Central School District's Board of Education is to provide all students with the necessary skills to thrive in the 21st century as learners, workers, and citizens.

In its commitment to preparing students for a 21st Century global economy, the Board of Education has supported the building of a cutting-edge technology infrastructure that will allow the district to keep pace with a rapid changing educational technology landscape and provide students with greater opportunities to rich multimedia and Internet resources in and out of school. The technology resources will also allow students to communicate and collaborate with their peers, become problem solvers and proficient in information literacy.

The District technology department is charged with leveraging the robust technology infrastructure and resources to support a dynamic and exciting teaching and learning process, and provide opportunities for personalized learning.

According to the International Society on Technology Education (ISTE), "Today's students need to be able to use technology to analyze, learn, and explore. Digital age skills are vital for preparing students to work, live and contribute to the social and civic fabric of their communities." The District is committed to maintaining a reliable, secured, manageable and scalable technology infrastructure, to provide exciting learning opportunities for its students.

The Smart Schools plan was developed with continued support from the Board of Education, Superintendent, Assistant Superintendent of Curriculum and Instructional Services, District Technology Committee and Department of Technology.

CURRICULUM AND INSTRUCTION

The Warwick Valley Central School District's is fully committed to using technology to enhance its curriculum and instructional practices. We will also be focusing on using technology effectively to develop students' skills in information literacy, critical thinking, problem solving, research, communication and collaboration. Some areas that we will be focusing on with this allotment of Smart Schools funds are:

1. Middle School renovation with a new music/art digital lab.
2. New Presentation area in the new middle school media center
3. Financial Literacy lab at the high school
4. New and additional security cameras throughout the district.

We have identified goals and objectives to help guide us in maximizing the District's technology resources to benefit our students and the above projects.

Goals:

Goal 1: The Warwick Valley Central School District is committed to maintain its network infrastructure to support digital, blended and online learning.

Goal 2: The Warwick Valley Central School District is committed to maintaining a wireless infrastructure to provide students with greater access to rigorous and rich online educational content, through a Bring Your Own Device model and 1:1 computer to student ratio.

Goal 3: The Warwick Valley Central School District is committed to provide learning environments that can support multimedia rich learning experiences for all students.

Goal 4: The Warwick Valley Central School District is committed to provide a safe environment that will support the learning of all its learners

OBJECTIVES/ TIMELINE/ DESCRIPTION/ DOCUMENTATION

Goal 1: The Warwick Valley Central School District is committed to maintain its network infrastructure to support digital, blended and online learning.

Objective 1A: The District will maintain, and upgrade its core network infrastructure as needed to maintain a high level of services to its users.

Objective 1B: The District will create a communication/library-media center in the Middle School with state-of-the-art technology throughout the area.

ACTIVITY	TIMELINE	DESCRIPTION	DOCUMENTATION
Communicate to stakeholders	Ongoing	Board presentation and newsletters	Project plan and inventory
Plan to acquire new hardware for the new middle school media center and high school financial literacy lab.	June/July 2019	District office will work with teachers and administrators to determine needs	Budget
Upgrade images on replacement computers	July-August 2019	Master image will be created to support the needs of the curriculum	Desktop application audit

Goal 2: The Warwick Valley Central School District is committed to build a wireless infrastructure to provide students with greater access to rigorous and rich online educational content.

Objective 2 A: A wall to wall wireless infrastructure will be maintained and upgraded at all district buildings to support the use of district owned mobile devices, a Bring Your Own Device (BYOD) model and low computer to student ratio.

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ACTIVITY	TIMELINE	DESCRIPTION	DOCUMENTATION
Communicate to stakeholders	Ongoing	Board presentations and newsletters.	Project plan
Upgrade and replace wireless at all buildings	July 2019	With the new construction, there would be new areas to cover.	Purchase orders

Goal 3: The Warwick Valley Central School District is committed to provide learning environments that can support multimedia rich learning experiences for all students.

Objective 3A: The District will create a new music/art suite at the Middle School with all new computers for music production and digital visual art creations

ACTIVITY	TIMELINE	DESCRIPTION	DOCUMENTATION
Communicate to stakeholders	Ongoing	Board presentations and newsletters.	Project Plan
Conduct a needs assessment of music and the visual arts	Ongoing	Tech dept.	Budget

Goal 4: The Warwick Valley Central School District is committed to provide a safe environment that will support the learning of all its learners

Objective 4 A: The District will plan on maintaining, upgrading, and installing new cameras.
Objective 4B: The District will be moving the middle school main office to allow for better security and a better location for the main entrance.

ACTIVITY	TIMELINE	DESCRIPTION	DOCUMENTATION
Communicate to stakeholders	Ongoing	Identify best practices to support cameras	
Review safety and coverage of the buildings	Ongoing	Assistant Superintendentof Instruction and Asst. Supt Of Business	Camera maps and diagrams

OVERVIEW OF HARDWARE NEEDED

At the middle and high school level is where the majority of the hardware will be purchased. Below is a list of hardware that will be needed.

Warwick Valley Middle School (5-8)

- 31 new iMacs for the music production/digital visual arts lab/Language lab
- Korg Keyboards for music production
- Headphones for listening and recording
- New Drops and cabling for all the new areas and relocation of instructional spaces.
- Wacom tablets for art creation (already purchased)

Warwick Valley High School

- 2 14-foot displays for stock tickers
- Two 90-inch TVs for data walls for the financial literacy lab.
- Wiring for new financial area
- Desktop PCs for Financial lab

FUNDING AND BUDGET

The Warwick Valley Central School District will use the remaining of its Smart Schools money to pay for this project.

Item	Cost
New MS Apple IMac Lab	$73,098.00
Tickers and software wall	$20,688.00
86 Inch Interactive TV for MS Library	$9,243.00
TVs for FInancial lit lab	$11,466.00
Cameras for key areas	$75,029.00
Cabling/Wireless/ Cameras for MS Construction and Finance Lab	$245,473.25
UPS Units for racks	$3,516.00
Music Lab keyboards/headsets/GECs	$47,588.00
	$486,101.25