

Ripley Central School District Technology Plan



2022 - 2025

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INTRODUCTION

At Ripley Central School we focus on improving student achievement by developing the whole child and supporting quality teachers. Through strong leadership, planning and professional development we have become a 1:1 technology learning environment.

Based on qualitative data from teachers and administrators changes needed to take place for 2022-2025 with regard to our curriculum and instructional technology. Multiple grade level and administrative meetings took place throughout the fall and winter to focus on data analysis of student achievement, deficiencies and needed resources. It was determined that the following goals would guide decisions.

- I. Create a love of Reading
- II. Establish more control over the ELA content to be more engaging and developmentally appropriate
- III. Offer focused time for writing instruction
- IV. Revise the 3-6 modules to accommodate learning needs for those grade levels
- V. Addition of science curriculum to prepare for the changes in the assessments in 2022
- VI. Addition of social student curriculum into the schedule
- VII. Develop a Prek-k curriculum focused on Play
- VIII. Incorporate the new Physical Education standards into practice

All these findings would need to be supported by technologies - hardware, software and subscriptions that would be planned through the technology committee meetings.

This Technology Strategic Plan integrates with our Professional Learning Plan, Smart Schools Plans and Expeditionary Learning Strategic Plan to complete the educational planning cycle.

Technology Committee

The technology committee is composed of all the necessary constituents and formally meets three times a year to monitor and evaluate the plan. Administration meetings bi-weekly and discusses current implementation and impact of technology in learning.

Name	Title
William Caldwell	Superintendent
Micah Oldham	PreK-6 Principal
Julianna Sciolino	E2 BOCES Consultant - Technology Director/CIO
Michelle Waters	TOSA Curriculum Coordinator/Parent
Patty Babcock	Community Member
Victoria Caris	Administrative Support/Parent
Dan Kondrick	Teacher Assistant/STEAM Representative
Lisa Sabella	Special Education Representative
Karen Kondrick	RTI/Librarian Representative

School District Information

Ripley Central School is a rural public school located in Ripley, N.Y. Ripley, N.Y is bordered on the west by the Pennsylvania border and by Lake Erie on the north. The Ripley area and community is largely residential with agriculture being the main industry. The nationally designated scenic byway - *The Seaway Trail* - follows Route 5 and Lake Erie through the north side of Ripley township and is the premier recreational trail in the country. Along this shoreline in Ripley is some of the best grape-growing soil in the state. According to the United States Census Bureau, the town has a total area of 48.9 square miles (126.6 km²), of which 48.8 square miles (126.3 km²) is land and 0.12 square miles (0.3 km²), or 0.21%, is water. Ripley Central School has 123 students in grades PK, K-6 with a student-teacher ratio of 12 to 1.

In 2015 Ripley Central School began to implement Expeditionary Learning's Education Language Arts curriculum in grades 3–6, and they instituted daily Crew meetings, in which students circle up with their teacher to learn about, practice, and reflect on the school's character traits. The district spent the following year becoming deeply familiar with the curriculum's detailed lesson plans, and, in 2017-18, deepened their implementation with additional professional development support from EL Education.

The combination of frequent, high-quality professional development and an unwavering focus on character through challenging academics enabled teachers and leaders to hold each other accountable and support each other through curriculum implementation. All their hard work began to pay off in 2017-18, when New York granted Ripley high-progress Reward School status—an indicator of high achievement, high growth, and no significant gaps between subgroup achievement levels.

EXPEDITIONARY LEARNING?

We believe that when a student is done with school and enters adult life, she will be judged for the rest of her life not by her performance on tests of basic skills, but by the quality of her work and the quality of her character. Our vision of student achievement therefore has three dimensions: **Mastery of Academic Skills, Character, and High Quality Work (HQW).**

Achievement trends over three years for both the overall student population in grades 3–5 and for economically disadvantaged students show a remarkable shift toward proficiency (levels 3 and 4) in New York literacy standards.

Based on strong gains in literacy scores, Ripley teachers and leaders are continuing to innovate in ways they hope will sustain the momentum of growth.

Student enrollment	prek 3/4	K	1	2	3	4	5	6
123	42	20	19	21	9	22	12	20

Ripley Central School Faculty/Staff	
Teachers	22
Teacher Assistants	4
Teacher Aides	4
Occupational Therapist	1
Speech Pathologist	1
Social Worker	1
School Psychologist	1

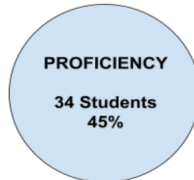
2020-21 ACCOUNTABILITY STATUS BASED ON 2018-19 DATA

GOOD STANDING

2018-2019 RIPLEY CSD GRADES 3-8 ELA ASSESSMENT DATA

Total Tested : 76

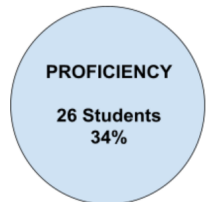
Level Achieved	# of Students	%ile of students
Level 1	22	29%
Level 2	20	26%
Level 3	28	37%
Level 4	6	8%



2018-2019 RIPLEY CSD GRADES 3-8 MATH ASSESSMENT DATA

Total Tested : 76

Level Achieved	# of Students	%ile of students
Level 1	29	38%
Level 2	21	28%
Level 3	20	26%
Level 4	6	8%



TECHNICAL STAFFING

- **1 District Technology Director** - responsible for oversight of the technologies, instructional technology and professional development and policies.
- **1 Senior Microcomputer Technical Support Specialist** - responsible for the infrastructure and security of the district and lead technical oversight - 1 day onsite, on-call support
- **2 Microcomputer Technical Support Specialists** - .4 each, total of 4 days onsite
- **BOCES Managed Service staff and supports** - on-call support and day-to-day help desk support.

DISTRICT MISSION

Through the collaborative effort of the students, faculty, staff, and community, the Ripley Central School district provides a healthy, supportive environment that prepares productive, competitive citizens for life in the 21st century. Recognizing the individuality of each person, we maintain that every child will achieve personal excellence through perseverance. We strive to build pride, confidence, respect and critical thinking skills in order to produce well-educated, responsible citizens who are college and career ready. Every day, Every child, Every minute counts!

Technology Mission Statement

The educators of the Ripley Central School District will utilize technology to engage and empower personalized learning experiences for students, to collect and analyze student performance data and to collaborate within professional learning communities. They will educate all learners to utilize technology for the purpose of problem solving, accessing and using information, making decisions in an information-rich environment, and communicating effectively as they live and work successfully in our global society.

Technology Vision Statement

Ripley Central School District envisions a community where students use technology to engage and empower personalized learning experiences; for the purpose of problem solving, communication, and creation of new ideas to contribute globally; and to enable a healthy and digitally safe lifestyle.

INSTRUCTIONAL GOALS

The following goals are the foundation from which the technology committee worked to determine the aligned technology goals for this plan. Implementation of this plan will be cross referenced to work done with the other district-wide plans.

Goal 1:

RCS students will achieve a minimum statewide proficiency level of 45% on the NYS ELA and Math Assessments with a goal of surpassing the overall NYS proficiency level by a minimum of 2% annually over the course of three years.

Goal 2:

85% of our k-6 students can meet an achievement level of 3 on the RCS Character Strengths curriculum.

Goal 3:

75% of student tasks will show attributes of craftsmanship, authenticity and complexity (High Quality Work - HQW).

TECHNOLOGY GOALS

Goal 1:

Integrate technology into the Learning Environment: By June 2025, 100% of all content areas will include technology within their curriculum maps to maximize achievement, collaboration, communication, digital safety and empowerment strategies for all learners.

Goal 2:

By June 2025, Devices & Infrastructure will be purchased/installed as per replacement cycle, ERATE guidelines, WNYRIC, NSIF protocols to support the curriculum and learning goals

Goal 3:

By the end of 2025, Community and Student communication and participation will reach a level of 100% satisfaction through purposeful dissemination of relevant information about students' academic, social and physical progress and community participation events.

ACTION PLANNING PROCESS

A technology committee comprised of teachers, support staff, Curriculum Director Principal, Professional Development TOSA, BOCES technical staff as listed above. After the current Technology Plan was updated and revised this 2022-2025 plan was presented to: our Instructional Leadership Team (ILT), full staff, and the Board of Education.

The following required categories are embedded in the action plan for cohesion of the implementation.

Professional Development

- The plan relies heavily on professional development on instructional strategies that yield the highest effectiveness rate as per Hattie's effect size as it relates to achievement. Embedded in the table is regular and sustained professional development specific to technology instructional strategies to support our goals.

Monitoring

- The plan is reviewed, revised and updated by the technology team on a monthly basis as well as at the quarterly technology meetings.

Evaluation

- The plan is evaluated bi-monthly by the administrative team which includes the business office, as well as the technology team at their quarterly technology meetings. Summer/Fall/Winter/Spring with a final evaluation in the summer session.

IMPLEMENTATION PLAN

Goal 1: Integrate Technology into the Learning Environment				
<i>Action</i>	<i>Process & PD</i>	<i>Timeline</i>	<i>Responsibility</i>	<i>Evaluation</i>
Teachers will receive 10% of their EDPD on using technology to support curriculum programming	<p>Admin will deconstruct the curriculum for the following areas and choose technologies that will support the NYS & ISTE standards:</p> <ul style="list-style-type: none"> -readers' writers' workshop (K-2) -NYS modules (3-6) -BOCES science kits -BOCES social studies curriculum -special areas <p>Professional development on curriculum tools and ISTE standards will be offered during inservice days and as per PLP/EDPD sessions.</p>	July/Aug annually following PLP/EL action plans	<ul style="list-style-type: none"> - teachers - TOSA - Curriculum director -BOCES Science/SS consultant - Literacy consultant 	<p>Agendas that include technology PD to support curriculum</p> <p>Level of technology growth by staff using surveys, classroom learning walks, lesson % that use technology</p> <p>Meeting instructional achievement goals from EL plan</p>
Teachers will receive 10% of their EDPD on using technology to support personal staff use, safety	<p>Using technology to promote/enhance:</p> <ul style="list-style-type: none"> Research Citizenship Productivity Data Privacy 	July/Aug annually following PLP/EL action plans	<ul style="list-style-type: none"> - teachers - TOSA - Curriculum director -BOCES Science/SS consultant - Literacy consultant 	<p>Agendas that include these 4 tenets during PD time</p> <p>Tech Comm feedback related to productivity and privacy</p>
Design 10% of HQW samples as student produced digital work	<ul style="list-style-type: none"> -Focus on examples from ISTE and how to design rubrics for high quality technology performance and sharing of work -Develop a location for shared work linked to ISTE standards 	Oct annually following PLP/EL action plans	<ul style="list-style-type: none"> - teachers - TOSA - Curriculum director -BOCES Science/SS consultant - Literacy consultant 	<p>Agendas that include HQW PD to support curriculum</p> <p>Student work examples</p>
Focus on literacy proficiency of students with disabilities & English Language Learners using technology	<ul style="list-style-type: none"> -Work with special education and ELL staff to target individualized needs and assistive supports for this population. 	Sept. annually following PLP/EL action plans	<ul style="list-style-type: none"> -ELL/SWD teachers -TOSA -Curriculum Director -BOCES staff 	<p>Agendas/dates for collaboration meetings</p> <p>Analysis of Achievement growth on individualized goals</p>

	<p>RESOURCES</p> <ul style="list-style-type: none"> -Design & offer specialized technology pd to improve literacy skills for ELLs -Design & offer specialized technology pd to improve SWDs 	Monthly analysis of student growth		
Educators will utilize various technologies to collect and analyze student performance data.	<p>PD sessions on DDI will focus on using google sheets to record and manipulate data for analysis.</p> <p>Shared drive for HQW Skills Assessments IRLA Data Running Records Module Unit Assessment JumpRope Grading</p>	Monthly analysis of student growth	<p>-TOSA</p> <p>-Curriculum Director</p> <p>-Teachers</p> <p>- Principal</p>	Classroom walk throughs and formal supervisory process. DDI meeting schedule/Teacher reflection identifies evidence of student growth
Digital Citizenship, Cybersecurity and student safety will be incorporated into the curriculum.	<p>Digital Citizenship lessons will be designed and included in instruction 2x/month for each grade level</p> <p>PD focusing on content expectations for each grade level and level design mini-lessons</p>	<p>July 2022 librarian</p> <p>July 2023 ongoing revisions</p>	<p>-TOSA</p> <p>-Curriculum Director</p> <p>- Librarian</p> <p>- Classroom Teachers</p>	Digital Citizenship curriculum posted in Google Drive
Culturally Sensitive training using technology will be offered	Incorporate culturally sensitive curriculum or training into the school by joining a PLC/BOCES workshops/Area districts to investigate approaches and ultimate design/purchase	July 2022 - June 2025	-Admin team -ILT	Meeting Minutes Curriculum demos Pilot approach/program
Data Privacy training will take place to ensure all staff and students are safe using technology.	Ensure software inventory is up-to-date and compliant with Ed Law IID, Coppa, Ferpa	July 2022 - June 2025	Tech Dept Team	Website listing

Goal 2: Devices and Infrastructure

<i>Action</i>	<i>Process & PD</i>	<i>Timeline</i>	<i>Responsibility</i>	<i>Evaluation</i>
New High-tech security entry systems will be outfitted	Capital Project		- Ripley Technical department staff - RIC Managed Services	Systems installed and operating, appropriate staff trained
Instructional spaces will be outfitted with new hardware for learning.	Survey of teachers regarding classroom needs Purchasing as per priorities and replacement cycle New Projection & Audio in Athletic area		- Ripley Technical department staff - RIC Managed Services	Staff satisfaction survey all hardware ordered & installed
Objective to maintain current district infrastructure through a replacement schedule (6 yrs) end of production/end of life recommendations	Maintain a robust, reliable infrastructure and wireless network. Increase the sustainability and efficiency of our facilities and operations Increase the number of computing and web-enabled devices and resources available for teaching and learning for administrative services	Annually	- Ripley Technical department staff - RIC Managed Services - Admin - Business office	Replacement cycle documentation Annual Budget
Policies will be followed for compliance & safety	As per federal/state regulations all policies will be followed and Professional development will be offered to meet the guidelines of the following policies: -Ed Law IID/Parents bill of rights -Copyright, COPPA, FERPA -Internet Safety -Cyberbullying -AUPs -Filtering		Ripley Technical department staff & RIC Managed Services	

Technical Staffing will support the district needs	<p>Staffing will grow in accordance with technical support needs -</p> <p>Annual evaluation of tickets opened vs. close time</p> <p>Skills of technical staff to complete work in areas will be evaluated and recommendations made for hiring</p> <p>Technical staff will be trained annually in new products, services</p>		Ripley Technical department staff & RIC Managed Services	
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Goal 3: Community & Student Communication and Participation				
<i>Action</i>	<i>Process & PD</i>	<i>Timeline</i>	<i>Responsibility</i>	<i>Evaluation</i>
Communication tools will be used to build community engagement and provide timely and relevant information about students' academic progress and community events.	<p>Communications will be constructed and offered as professional development for using the following tools:</p> <ul style="list-style-type: none"> -Website - including language translation -video streaming services -robo calls -newsletters -social media - classroom learning management systems (google classroom, seesaw) 	Weekly/annually	<ul style="list-style-type: none"> - Administration - Teachers 	<p>EOY survey regarding communication satisfaction</p> <p>Analysis of social media/website post comments or likes</p>
Guardians & Community will be educated on safe technology practices	<ul style="list-style-type: none"> -workshops on digital safety for home use -education on student technology use -personal security 	Fall/Spring Annually in-person and virtually	<ul style="list-style-type: none"> -Administration -BOCES 	<ul style="list-style-type: none"> - # of participants - workshop satisfaction survey

Engage students and the community in new and extended learning spaces. (library, makerspace, fitness, community areas)	-revisit STEAM/makerspace resources -Create space for instruction as well as community participation -Schedule & Communicate learning space events	Fall 2021 begin project Spring 2022 additional resources in and temporary space setup Summer 2023 location established during capital project Fall 2024 Instructional space scheduled	-Administration - STEAM teacher/Art Teacher - Facilities Director –	Inventory complete -location of internal/external access designed - ordering/delivery of new resources -community presentation/open house
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FINANCIAL OVERVIEW

Funding for this plan will be coming from a variety of sources:

- CAARES/ARP - equipment for instructional, STEAM, classrooms
- Gen fund - equipment for administrative office staff and facilities
- Capital Project - funding for safety entrances
- Title Grants - funding for instructional and special education supports
- BOCES - equipment & services outside of district-grant funded items

APPENDICES

I. I. Smart Schools Investment

“The Smart Schools Bond Act, approved by New York State voters in 2014, authorized \$2 billion of general obligation bonds to finance improved education technology infrastructure to improve learning and opportunity for students throughout the state” (NYSED).

Where we started...
What has been done...
And Moving Forward...




Plan #1


Purpose: Align technology experiences to support seamless Middle School transition by: *Providing student access to and experience online learning platforms *Ensuring device consistency *Maximize staff PD time and efficiency of sharing resources										
Equipment Necessities: * 70 Dell Chromebooks (11 with touch screen for students & staff) * 1 Charging Cart * 1 Upgrade Kit for the Charging Cart	SSIP Timeline: *Preliminary approval July 14 th , 2016 *Accepting Feedback with review for changes *Final BOE approval Aug. 18 th , 2016 *SSIP submitted to NYSED *Purchase of Equipment needs identified Fall 2016	<div>Smart School Allocations</div> <table><caption>Smart School Allocations Data</caption><tr><th>Category</th><th>Allocation</th></tr><tr><td>SSIP #1 Chromebooks</td><td>Small portion (dark blue)</td></tr><tr><td>SSIP #2 Wireless Upgrade</td><td>Small portion (medium blue)</td></tr><tr><td>Total SSIP Amount</td><td>Large portion (light blue)</td></tr></table>	Category	Allocation	SSIP #1 Chromebooks	Small portion (dark blue)	SSIP #2 Wireless Upgrade	Small portion (medium blue)	Total SSIP Amount	Large portion (light blue)
Category	Allocation									
SSIP #1 Chromebooks	Small portion (dark blue)									
SSIP #2 Wireless Upgrade	Small portion (medium blue)									
Total SSIP Amount	Large portion (light blue)									

Plan #2

Purpose: Increase wireless capacity and speed throughout the entire school building so that our infrastructure can support current wireless demands and future demands

<p>Equipment Necessities: A vendor was selected through the standard bid process to upgrade existing wiring to Cat6a as well as adding wiring to locations throughout the building that do not currently have wireless capacity.</p>	<p>SSIP Timeline: *Preliminary approval September 15th, 2016 *Accepting Feedback with review for changes *Final BOE approval October 20th, 2016 *SSIP submitted to NYSED *Purchase of Equipment needs identified Fall/Early Winter 2016</p>	<p>Smart School Allocations</p>  <ul style="list-style-type: none"> ■ SSIP #1 Chromebooks ■ SSIP #2 Wireless Upgrade ■ Total SSIP Amount
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Plan #3

<p>Purpose: Enhancing school security in order to create a safe and secure environment.</p>		
<p>Equipment Necessities: Replacement cameras and updated video surveillance system.</p>	<p>SSIP Timeline: *Preliminary approval September 19th *Accepting Feedback with review for changes *Final BOE approval October 17th *SSIP submitted to NYSED *Purchase of Equipment needs identified following plan approval</p>	<p>Smart School Funds Total Allocation \$540,794</p>  <ul style="list-style-type: none"> ■ SSIP #1 Chromebooks ■ SSIP #2 Wireless Upgrade ■ SSIP #3 Security Cameras ■ Total Smart School Bond

Plan #4

<p>Purpose: Maintaining the integrity of our wireless network.</p>

Equipment Necessities: Replacement of the wireless access points	SSIP Timeline: *Preliminary approval at BOE January 15 th , 2020 *Accepting Feedback with review for changes *Public hearing and final BOE approval February 19 th , 2020 *SSIP submitted to NYSED *Purchase of Equipment needs identified following plan approval	<div> SMART SCHOOLS FUNDS TOTAL ALLOCATION \$540,794 </div> <div> PROJECTS: *SSIP #1 Chromebooks (\$20,620) *SSIP #2 Wireless Upgrade (\$51,987) *SSIP #3 Security Cameras (\$87,553) *SSIP #4 Wireless Update (\$33,844) </div>
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II. Acceptable Use Policies

POLICY 6410- Staff Acceptable Use Policy

POLICY 7315- Student Acceptable Use Policy

POLICY 6411- Acceptable Email Use

III. INTERNET SAFETY/CYBERBULLYING

POLICY 7552: Bullying in the Schools (Cyberbullying: Prevention, Intervention & Reports)

POLICY 8271: Internet Safety/ Internet Content Filtering

IV. BILL OF RIGHTS/DATA PRIVACY SECURITY

Parents and eligible students can expect the following:

- 1.) A student's personally identifiable information (PII)² cannot be sold or released for any commercial purpose.
- 2.) The right to inspect and review the complete contents of the student's education record stored or maintained by an educational agency.
- 3.) State and federal laws,³ such as NYS Education Law §2-d and the Family Educational Rights and Privacy Act, that protect the confidentiality of a student's PII, and safeguards

- associated with industry standards and best practices, including but not limited to, encryption, firewalls, and password protection, must be in place when data is stored or transferred.
- 4.) A complete list of all student data elements collected by NYSED is available for public review at www.nysed.gov/data-privacy-security, and by writing to: Chief Privacy Officer, New York State Education Department, 89 Washington Avenue, Albany, NY 12234.
 - 5.) The right to have complaints about possible breaches and unauthorized disclosures of student data addressed. Complaints may be submitted to NYSED online at www.nysed.gov/data-privacy-security, by mail to: Chief Privacy Officer, New York State Education Department, 89 Washington Avenue, Albany, NY 12234, by email to privacy@nysed.gov, or by telephone at 518-474-0937.
 - 6.) To be notified in accordance with applicable laws and regulations if a breach or unauthorized release of their student's PII occurs.
 - 7.) Educational agency workers that handle PII will receive training on applicable state and federal laws, the educational agency's policies, and safeguards associated with industry standards and best practices that protect PII.
 - 8.) Educational agency contracts with vendors that receive PII will address statutory and regulatory data privacy and security requirements.

Additional Ripley Central School District School Board Policies:

POLICY 5676: Privacy and Security for Student Data and Teacher and Principal Data

POLICY 5672: Information Security Breach and Notification

POLICY 7243: Student Data Breaches

POLICY 7316: Student Use of Personal Technology