

**2026-2029**

**ONONDAGA CENTRAL SCHOOL DISTRICT**

**INSTRUCTIONAL  
TECHNOLOGY PLAN**

**REVISED DECEMBER 2025**

# EXECUTIVE SUMMARY: INSTRUCTIONAL TECHNOLOGY PLAN 2026–2029

## Introduction and Strategic Focus

The Onondaga Central School District Instructional Technology Plan for 2026-2029 outlines a strategic, yet sustainable, path forward for leveraging technology to support our core mission. This plan maintains the foundational success of the previous cycle while integrating essential modern requirements related to cybersecurity, data-informed practice, and modern blended learning models. Recognizing the district's staffing and fiscal realities, this plan prioritizes incremental, high-impact improvements and the maximization of existing technology resources.

Our core objective remains to support student learning through the use of technology in the classroom, ensuring students develop the digital competencies necessary for success in college and career.

## Key Plan Objectives

The four goals of this plan represent a commitment to stability, security, and sustained pedagogical excellence:

### Goal 1: Effectively Integrate Technology for Enhanced Student Achievement:

- **Strategic Shift:** Moving from general integration to prioritizing blended learning models and fostering student digital creation. We will formalize the role of the Technology Committee to ensure standardization of platforms and focus professional development on digital literacy and digital assessment tools already available to staff.

### Goal 2: Provide Reliable Access and Ensure Foundational Security:

- **Strategic Shift:** Addressing the immediate necessity of improved cybersecurity. We will implement Multi-Factor Authentication (MFA) for all staff and move to a next-generation endpoint protection solution, which are the most critical, cost-effective security measures available. This goal also secures the future through disciplined adherence to a multi-year hardware replacement schedule and low-risk, gradual cloud migration of non-critical services with BOCES support.

**Goal 3: Establish Opportunities for Focused Professional Development:**

- **Strategic Shift:** Making PD more relevant and job-embedded. Training will concentrate on high-impact pedagogical strategies like Universal Design for Learning (UDL), using technology tools already in place. We will create a self-service internal repository for just-in-time support and leverage building-level Technology Liaisons to provide cost-effective, peer-to-peer expertise.

**Goal 4: Develop a System of Data-Informed Evaluation and Accountability:**

- **Strategic Shift:** Ensuring fiscal responsibility and instructional efficacy. We will standardize the use of the Learning Management System (LMS) for collecting student achievement data and conduct an annual Instructional Technology inventory and usage audit to identify and decommission redundant software licenses, driving savings and improving resource allocation.

**Commitment to Sustainability and Accountability**

The Action Plan supporting these goals is designed for sustainability. Key actions are tied to quantifiable metrics—such as MFA compliance rates, ticket resolution times, and the elimination of redundant licenses—which will be reported annually. By focusing on predictable budgeting through strict adherence to replacement schedules and utilizing data-driven decision-making to evaluate the ROI (Return on Investment) of professional development, we ensure that every technology dollar directly contributes to student success and operational resilience.

This plan represents a balanced and responsible approach to technology stewardship, ensuring that our district remains secure, reliable, and pedagogically current without placing undue strain on our budget or staff resources.

## TECHNOLOGY PLAN (2026-2029)

### Overall Objective:

To support student learning through the use of technology in the classroom. In order for our students to meet 21st Century learning skills, we have identified the following goals:

**Goal 1:** Effectively Integrate Technology for Enhanced Student Achievement.

**Focus:** Modernizing existing instructional strategies and resources, ensuring technology use is purposeful and aligned with digital skills.

- Formalize the District Technology Committee's role to include the evaluation and standardization of core instructional technologies and content platforms.
- The Committee will prioritize resources that directly support blended learning models and tools that foster student digital creation and collaboration within the existing curriculum.
- The Instructional Leadership Team will establish foundational digital literacy expectations for all staff and provide targeted, tool-specific training on high-leverage district-adopted platforms (e.g., LMS/SIS).
- Department Chairs will facilitate peer-to-peer sharing and lesson co-design for effective technology use, specifically focusing on digital assessment and feedback tools.

**Goal 2:** Provide Reliable Access and Ensure Foundational Security.

**Focus:** Maintaining service stability while strengthening the core IT environment against increasing threats with limited resources.

- Conduct a bi-annual network load assessment and implement necessary upgrades to ensure bandwidth meets peak usage demands for online state testing and streaming media.
- Develop and strictly adhere to a 6-year technology replacement schedule for instructional devices and a 7-year schedule for infrastructure components, budgeting for End-of-Life (EOL) replacements.
- Maintain Multi-Factor Authentication (MFA) standards for all administrative and staff access to critical systems and remain current with next-generation endpoint protection solutions.

- Migrate non-critical legacy applications (e.g., internal file sharing or a simple database) to a BOCES-managed cloud environment to gain experience and reduce local maintenance burden.

**Goal 3:** Establish Opportunities for Focused Professional Development.

**Focus:** Making PD highly relevant, job-embedded, and directly linked to achieving the district's instructional priorities.

- Design PD with a focus on Universal Design for Learning (UDL) principles and differentiated instruction using technology tools already available to teachers.
- Create an internal digital repository of video tutorials and documentation for the district's core instructional platforms (LMS, grading software, etc.) to support just-in-time learning.
- Designate and train building-level Technology Liaisons (or "Tech Champions") to provide informal, peer-to-peer support and communicate successful integration strategies within their teams.

**Goal 4:** Develop a System of Data-Informed Evaluation and Accountability.

**Focus:** Improving the use of existing data to measure the impact of technology on learning and making justifiable purchasing decisions.

- Standardize the collection and analysis of student achievement data within Schooltool, AIMSweb, and BIMAS-2 to track measurable growth in technologically-supported courses/units. Integrate new learning management tools: Computer Based Testing (THiNKtech), MTSS Edge (replacing RTIm Direct)
- Collect qualitative feedback (surveys) immediately following PD sessions and conduct follow-up surveys (3-6 months later) to gauge the sustained application of learned skills in the classroom.
- Conduct an annual Instructional Technology inventory and usage audit to identify underutilized or redundant software licenses for potential decommissioning.

## TECHNOLOGY PLAN ACTION PLAN (2026-2029):

<b>Goal 1: Effectively Integrate Technology for Enhanced Student Achievement.</b>			
<b>Action Needed to Achieve Goal</b>	<b>Person(s) Responsible</b>	<b>Completion Timeline</b>	<b>Indication of Success / Key Metrics</b>
Formalize the District Technology Committee's role to include the evaluation and standardization of core instructional technologies (LMS, content platforms).	District Technology Committee, Superintendent	Fall 2026 (Formal Charter/Process Established)	Approved list of standardized core EdTech tools (Metric: 80% of teacher licenses consolidated to standardized platforms). Minutes of Meetings.
Prioritize resources for blended learning models and tools that foster student digital creation and collaboration.	District Technology Committee, Curriculum Committee, Business Manager	Annually (Budget Cycle)	Annual Technology Audit Report demonstrating procurement alignment with Blended Learning tools. Budget allocations show support for digital creation software.
Establish foundational digital literacy expectations for all staff and provide targeted, tool-specific training on high-leverage district-adopted platforms.	Instructional Leadership Team, Principals	Spring 2027 (Expectations Defined); Ongoing (Training)	Teacher Self-Assessment data shows 85% proficiency in using the district's core LMS and student data tools. Professional Development Evaluations.
Department Chairs will facilitate peer-to-peer sharing and lesson co-design focused on digital assessment and feedback tools.	Department Chairs, Team Leaders, Principals	Bi-Weekly/ Monthly	Minutes of Meetings documenting peer lesson planning. Principal Observations confirm consistent use of digital assessment tools.

**Goal 2: Provide Reliable Access and Ensure Foundational Security.**

<b>Action Needed to Achieve Goal</b>	<b>Person(s) Responsible</b>	<b>Completion Timeline</b>	<b>Indication of Success / Key Metrics</b>
Conduct a bi-annual network load assessment and implement necessary upgrades to ensure bandwidth meets demands for online state testing and streaming media.	Technology Coordinator, CNYRIC	Annually (Summer Assessment)	Bandwidth Analysis Results showing no more than 5% packet loss during peak instructional hours. Work Order data shows zero network-related failures during state testing windows.
Develop and strictly adhere to a 3 to 5-year technology replacement schedule for instructional devices and a 7-year schedule for infrastructure components, budgeting for End-of-Life (EOL) replacements.	Superintendent, Technology Coordinator, Business Manager	Annually (Budget Review)	Replacement Schedule shows 100% of devices are within the 3 to 5-year cycle. Budget Allocations match replacement schedule needs.
Maintain Multi-Factor Authentication (MFA) for all administrative and staff access to critical systems and upgrade to a next-generation endpoint protection solution.	Technology Coordinator	Ongoing 2026 (MFA Rollout); Early 2027 (Endpoint Upgrade)	Policy Compliance report shows 100% of staff accounts utilizing MFA. Zero reported successful ransomware/malware attacks in a year.
Annual auditing to identify non-critical legacy applications that can be migrated to a cloud environment.	Technology Coordinator, CNYRIC	Annually	Documentation of successful migration with reduced local server maintenance hours (Metric: 5% reduction in local server maintenance time).

**Goal 3: Establish Opportunities for Focused Professional Development.**

<b>Action Needed to Achieve Goal</b>	<b>Person(s) Responsible</b>	<b>Completion Timeline</b>	<b>Indication of Success / Key Metrics</b>
Design PD with a focus on Universal Design for Learning (UDL) principles and differentiated instruction using technology tools already available.	Principals, Professional Development Committee	Ongoing	PD Evaluations show 80% of staff rate PD as "highly relevant" to their existing technology environment. Principal Observations of UDL techniques.
Designate and train building-level Technology Liaisons (or "Tech Champions") to provide informal, peer-to-peer support.	Principals, Superintendent	Spring 2027 (Liaisons Identified/Trained)	Building Level Meeting Minutes show Liaisons leading short training sessions. Evidence of successful technology integrations in the classroom.
Create an internal digital repository of video tutorials and documentation for the district's core instructional platforms to support just-in-time learning.	Principals, Superintendent	Fall 2027 (Repository Launch); Monthly (Maintenance)	Course Catalog to include link to repository. Calendar of Meetings references internal resources. Repository usage logs (Metric: 250+ unique views per month).

**Goal 4: Develop a System of Data-Informed Evaluation and Accountability.**

<b>Action Needed to Achieve Goal</b>	<b>Person(s) Responsible</b>	<b>Completion Timeline</b>	<b>Indication of Success / Key Metrics</b>
Standardize the collection and analysis of student achievement data within the Learning Management System (LMS) to track measurable growth.	Principals, Leadership Team	Annual Review; Ongoing Observation	Student Achievement Data reports extracted directly from the LMS. Principal Observations confirming LMS use for assessment data collection.
Collect qualitative feedback (surveys) immediately following PD sessions and conduct follow-up surveys (3-6 months later) to gauge the sustained application of learned skills.	Leadership Team	Annually	PD Follow-up Survey Results show 70% of participants are still applying the trained skills in their classrooms. Course Catalog and Enrollment Data.
Conduct an annual Instructional Technology inventory and usage audit to identify underutilized or redundant software licenses for potential decommissioning.	District Technology Committee	Annually (Q4)	Audit Report documenting license decommissioning and projected savings. ML Work Order Data shows reduction in support requests for decommissioned software.

## TECHNOLOGY REPLACEMENT STRATEGY

### Strategy Overview

To maintain a reliable and secure educational technology ecosystem (Goal 2) while adhering to fiscally responsible planning, the district employs a cyclic replacement strategy. This strategy utilizes predictable lifespan cycles to budget for the systematic replacement of End-of-Life (EOL) hardware. This approach minimizes unexpected capital expenditures and reduces downtime associated with failing, aging equipment.

Asset Category	Target Replacement Cycle	Rationale for Cycle
<b>Instructional Devices</b> (Laptops, Desktops, Chromebooks)	<b>3-5 Years</b>	Balances cost constraints with the need for up-to-date operating systems, battery life, and processing power for Blended Learning (Goal 1).
<b>Interactive Smartboards/Displays</b>	<b>10-12 Years</b>	Longer lifespan due to stationary use and durable components. Focus on replacing older projection models with modern flat panels.
<b>Network Infrastructure</b> (Switches, Wireless Access Points)	<b>7-8 Years</b>	Ensures compliance with modern security protocols (Goal 2) and adequate speed/capacity for high-density usage.
<b>UPS Batteries</b>	<b>5-6 Years (Battery only)</b>	Required for operational resilience. Batteries degrade regardless of usage and are essential for maintaining critical system power during outages.

## EVALUATION / ASSESSMENT

The effectiveness of the 2026-2029 Technology Plan is directly linked to the district’s core strategic goals and will be governed by a framework of continuous review and accountability.

### I. Alignment and Review Cycle

The goals and action objectives of this plan are designed as three-year commitments that will be subject to a formal annual review and adjustment cycle to ensure they remain relevant to educational needs, technological advancements, and fiscal capacity.

- Annual Review Body: The District Technology Committee (DTC), in collaboration with the Professional Development Committee, Curriculum Council, Department Chairs, and Team Leaders, will lead the annual review process.
- Purpose of Review: To assess progress on all action objectives, evaluate the impact of technology on instruction and security, and make necessary adjustments to budgets and timelines for the subsequent year.

### II. Data-Informed Assessment Metrics

Evaluation will move beyond simple completion checks and will focus on the collection and analysis of quantifiable data, as outlined in Goal 4 of the plan:

Evaluation Area	Key Metrics for Success	Aligns with Plan Goal(s)
<b>Instructional Efficacy</b>	<p><b>LMS Data:</b> Measurable growth in student achievement within technologically supported courses.</p> <p><b>Qualitative Data:</b> Sustained application of PD skills (3-6 month post-PD follow-up surveys).</p>	Goal 1, Goal 3, Goal 4
<b>Operational Reliability &amp; Security</b>	<p><b>Work Order/ITSM Data:</b> Average ticket resolution time; volume of support requests; staff utilization of MFA (Goal: 100% compliance).</p> <p><b>Network Monitoring:</b> 99.9% uptime during instructional hours.</p>	Goal 2, Goal 4

<b>Fiscal Responsibility</b>	<b>Annual Audit Data:</b> Reduction in redundant software licenses, elimination of unused and underused software, and to provide cost savings. <b>Budget Alignment:</b> Adherence to the 6-year replacement schedule and EOL budgeting.	Goal 2, Goal 4
------------------------------	---	----------------

### III. Reporting and Accountability

The DTC will be responsible for synthesizing the data and presenting findings to the District Administration and Board of Education to ensure transparency and accountability.

- **Mid-Year Update (January):** A brief report to the Administration on budget utilization, progress on critical security mandates (e.g., MFA rollout), and any emerging staffing needs identified through ITSM data.
- **Annual Report (August):** An annual report submitted to the Board of Education detailing:
  - Successes and challenges for each of the four strategic goals.
  - The ROI (Return on Investment) of professional development (Goal 3).
  - Recommendations for adjustments to the action objectives and budget for the following year.