

# Ogdensburg City School District Technology Plan – 2026-2029



The Ogdensburg City School District (OCSD) will leverage technology to enhance teaching and learning, improve student achievement, ensure digital equity, and prepare all students for college, career, and civic readiness. Through intentional integration of instructional technology, sustained professional development, robust infrastructure, and equitable access, the district will provide learning opportunities “everywhere, all the time.”

## **I. Instructional Technology and Student Achievement**

The OCSD Technology Plan supports the district’s mission to provide high-quality, standards-based instruction that promotes academic excellence and student engagement. Technology will serve as a catalyst to:

- Improve student performance and close achievement gaps
- Personalize instruction through data-informed practices
- Expand access to rigorous coursework and digital resources
- Ensure equitable access to learning tools and connectivity

## **II. Instructional Technology and Student Achievement**

### **A. Standards-Based Integration**

Technology will be integrated into curriculum and instruction to directly support New York State Learning Standards. The district will:

- Maintain a 1:1 student device program (K–12)
- Utilize a district-wide Learning Management System (LMS)
- Implement adaptive software platforms in ELA and mathematics
- Integrate digital formative assessment tools
- Support project-based and inquiry-based learning with digital tools

### **B. Data-Driven Instruction**

The district will use digital assessment and analytics platforms to:

- Monitor student growth in real time
- Identify learning gaps
- Inform differentiated instruction
- Provide targeted academic interventions

Teachers and administrators will receive ongoing training in data analysis to ensure instructional decisions are informed by student performance data.

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## III. Digital Equity and Access

OCSD is committed to eliminating barriers to learning by ensuring equitable access to devices, connectivity, and digital resources.

### A. Device Access

- Sustain a 1:1 Chromebook/iPad initiative for all students
- Replace devices on a continued four-year rotation cycle

### B. Connectivity

- Maintain district-wide high-speed broadband
- Provide mobile hotspots (Kajeets) for families in need
- Partner with community organizations, like the Ogdensburg Boys and Girls Club to expand Wi-Fi access points

### C. Accessibility

- Ensure all digital resources comply with accessibility standards (WCAG)
- Provide assistive technologies for students with disabilities
- Utilize translation tools for multilingual learners

## IV. Professional Development

Sustained professional learning is essential to effective technology integration.

### A. Annual Training Priorities

- Instructional technology integration best practices
- Cybersecurity awareness
- Data literacy and assessment tools
- AI literacy and responsible use
- Digital citizenship instruction

### B. Coaching and Support

- Technology integration specialists will provide embedded coaching
- Professional Learning Communities (PLCs) will focus on digital instructional strategies
- New teacher induction will include technology orientation

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## V. Infrastructure and Technical Support

### A. Network and Security

- In partnership with SLL BOCES, the district will maintain enterprise-grade firewalls and content filtering
- Continue to implement multi-factor authentication for staff
- Conduct annual cybersecurity audits
- Maintain secure cloud-based backup systems, in partnership with SLL BOCES

### B. Hardware Lifecycle

- Implement a structured replacement cycle:
  - Student devices: 4 years
  - Staff devices: 4–5 years
  - Network switches and servers: 5–7 years

### C. Technical Staffing

- Maintain adequate IT staffing levels to support device management, troubleshooting, cybersecurity, and system administration.

## VI. Cybersecurity and Data Privacy

OCSD will comply with all state and federal regulations including:

- NYS Education Law 2-d (Student Data Privacy)
- FERPA
- COPPA

Measures include:

- Staff annual data privacy training
- Incident response protocols
- Vendor data privacy agreements
- Regular vulnerability testing

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## VII. Digital Citizenship

Students will receive age-appropriate instruction in:

- Online safety
- Responsible digital communication
- Media literacy
- Cyberbullying prevention
- Ethical use of AI tools

Digital citizenship will be embedded into curriculum beginning in elementary grades.

## VIII. Communication and Family Engagement

Technology will strengthen home–school connections by:

- Utilizing parent portals for real-time grade access
- Maintaining district and school websites
- Leveraging mass communication systems

## IX. Budget and Sustainability

The district will support the Technology Plan through:

- Annual general fund allocations
- Smart Schools Bond Act funds
- Federal grants
- E-Rate funding for connectivity
- NYS State Aide

A multi-year financial projection will ensure sustainability and responsible fiscal management.

## X. Implementation Timeline (2026–2029)

### 2026–2027

- Refresh 25% of student devices
- Conduct cybersecurity audit in conjunction with the SLL BOCES
- Expand professional development on AI integration
- Upgrade network infrastructure where needed, through the current Capital Improvement Project and E-Rate funding

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## 2027–2028

- Refresh next 25% of devices
- Evaluate instructional software effectiveness

## 2028–2029

- Purchase new faculty/staff classroom devices
- Review and revise Technology Plan
- Conduct comprehensive program evaluation

## XI. Evaluation and Metrics

Progress will be measured through:

- Student achievement data (state assessments, local benchmarks)
- Technology usage analytics
- Teacher survey feedback

Annual reports will be presented to the Board of Education and used to refine implementation strategies.

## XII. Conclusion

The 2026–2029 Technology Plan of the Ogdensburg City School District outlines a comprehensive and sustainable framework for leveraging instructional technology to improve academic achievement, ensure equitable access, and prepare students for an increasingly digital world. Through strategic investments in infrastructure, professional development, cybersecurity, and equitable access, OCSD will provide innovative, inclusive, and future-ready learning opportunities for all students.