

Irvington Union Free School District
Instructional Technology Plan
2026-2029

Section I - Strategic Technology Planning

District Mission

The mission of the Irvington Union Free School District is to create a challenging and supportive learning environment in which each student attains his or her highest potential for academic achievement, critical thinking and lifelong learning. Our schools encourage the discovery and development of students' individual strengths, skills and talents, and foster social and civic responsibility.

Technology Vision Statement

The Irvington Union Free School District envisions technology as a catalyst for empowering all learners to think critically, create authentically, and engage meaningfully in an ever-evolving digital world. Grounded in our Portrait of a Graduate, *The Irvington Way*, we leverage technology to deepen learning, strengthen relationships, and expand opportunities through a vertically aligned approach to Computer Science and Digital Fluency that builds problem-solving, communication, and digital citizenship skills. We are committed to the thoughtful and ethical integration of emerging technologies, including artificial intelligence, while maintaining a secure, reliable, and future-ready infrastructure that ensures equitable access and protects data privacy. Through ongoing professional learning and strong partnerships with educators, families, and the community, the Irvington UFSD prepares students to succeed, lead, and contribute in a dynamic, technology-rich society.

Section II - Action Plan

Goal 1: Develop and implement a vertically aligned K-12 Computer Science and Digital Fluency (CSDF) program that ensures all students build foundational skills through advanced skills in computational thinking, digital citizenship, and technology application.

Action Step	Description
<i>Research</i>	<i>Conduct a K-12 CSDF curriculum audit to identify gaps and redundancies.</i>
<i>Curriculum</i>	<i>Develop a vertically articulated scope and sequence aligned to NYS CSDF standards.</i>
<i>Curriculum</i>	<i>Integrate computational thinking and digital literacy into core content areas.</i>

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<i>Professional Development</i>	<i>Provide ongoing professional learning on CSDF standards and instructional integration.</i>
<i>Implementation</i>	<i>Expand CS learning experiences across grade levels, including interdisciplinary integration.</i>
<i>Evaluation</i>	<i>Monitor student proficiency and program effectiveness using defined CSDF benchmarks.</i>
<i>Planning</i>	<i>Establish a multi-year CSDF implementation roadmap aligned to district priorities.</i>

Goal 2: Establish a comprehensive district-wide approach to Artificial Intelligence (AI) that includes a formal position statement, governance structures, and instructional integration to support ethical, responsible, and innovative use.

Action Step	Description
<i>Policy/Protocol</i>	<i>Develop and adopt a district-wide AI position statement and usage guidelines.</i>
<i>Policy/Protocol</i>	<i>Establish expectations for ethical AI use, academic integrity, and data use.</i>
<i>Professional Development</i>	<i>Provide training on AI literacy, prompt design, and instructional applications to all staff.</i>
<i>Implementation</i>	<i>Pilot AI-supported instructional practices across grade levels and disciplines.</i>
<i>Communication</i>	<i>Communicate AI guidance and expectations clearly to students, staff, and families.</i>
<i>Community Partnerships</i>	<i>Engage families and experts through events (e.g., Tech Family University) to build awareness and shared understanding.</i>
<i>Research</i>	<i>Continuously evaluate emerging AI tools and their instructional and operational impact.</i>
<i>Evaluation</i>	<i>Assess effectiveness of AI integration on teaching, learning, and student outcomes.</i>

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Goal 3: Enhance and sustain a robust, secure, and scalable technology infrastructure that supports emerging technologies, ensures equitable access, and prepares the district for future innovation.

Action Step	Description
<i>Infrastructure</i>	<i>Implement a multi-year infrastructure refresh plan (network, wireless, core systems).</i>
<i>Infrastructure</i>	<i>Upgrade capacity and redundancy to support high-demand and emerging technologies.</i>
<i>Cybersecurity</i>	<i>Strengthen cybersecurity systems, monitoring, and threat response protocols.</i>
<i>Data Privacy</i>	<i>Ensure compliance with NYS regulations and enhance data protection practices.</i>
<i>Planning</i>	<i>Develop a long-term technology lifecycle and sustainability plan.</i>
<i>Purchasing</i>	<i>Align purchasing decisions with lifecycle planning and instructional priorities.</i>
<i>Implementation</i>	<i>Maintain and optimize 1:1 device programs and management systems.</i>
<i>Evaluation</i>	<i>Monitor system performance, uptime, and user experience metrics.</i>
<i>Staffing</i>	<i>Ensure adequate technical staffing and support structures to maintain systems and services.</i>

Section III - NYSED Initiatives Alignment

Supporting Rigorous Standards Attainment and Performance Improvement The Irvington Union Free School District leverages instructional technology as a strategic driver to improve student performance, elevate academic standards, and ensure equitable access to learning “everywhere, all the time.” Within a 1:1 learning environment, digital tools are purposefully integrated to personalize instruction, provide timely and meaningful feedback, and expand opportunities for inquiry, collaboration, and authentic

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learning aligned to district curriculum and *The Irvington Way*. A vertically aligned approach to Computer Science and Digital Fluency ensures that all students develop essential skills in critical thinking, problem solving, and digital citizenship, while the thoughtful integration of emerging technologies, including artificial intelligence, enhances differentiation and supports diverse learning needs.

To sustain this work, the district invests in ongoing professional learning that empowers educators to design high-quality, technology-enhanced instruction grounded in research and best practice. Instructional technology also enables the use of data to inform decision-making, allowing educators to monitor student progress, adjust instruction, and provide targeted support. A robust and secure infrastructure ensures reliable access to digital resources both in and out of school, reducing barriers to participation and promoting continuity of learning beyond the classroom. Through this comprehensive and intentional approach, the Irvington UFSD ensures that all students have equitable opportunities to achieve at high levels and are prepared to thrive in a dynamic, technology-rich world.

Section IV - Administrative Management Plan

Staff Plan

Title	Full Time Equivalent (FTE)
District Technology Leadership	1.0
Technical Support	3.0