

Plainedge Public Schools 2025-2026 Budget Presentation Instructional and Administrative Technology

Presentation to the Board of Education

**Dr. Guy J. Le Vaillant
Deputy Superintendent**

March 13, 2025



Core Beliefs for Educational & Administrative Technology



1. Technology is a critical tool for enhancing teaching, learning, and student engagement.
2. Access to modern technology prepares students for college, careers, and life in a digital world.
3. Supports personalized learning, interactive instruction, and digital literacy through 1:1 device initiatives, smart classrooms, and cutting-edge educational software.
4. Professional development empowers educators to integrate technology effectively.
5. Engagement and learning increase with the use of technology.
6. Technology supports differentiation of learning.
7. Active participation and contributions to the learning process increase with the use of technology.
8. Project and inquiry or challenge-based learning experiences are enhanced with the use of technology.
9. Technology supports broader collaboration opportunities both locally and globally.
10. 21st century communication and collaboration requires fluency in the use of technology.



Core Beliefs for Administrative Technology & Network Operations



1. **Administrative Systems:** Manages student information, financial operations, human resources, and communication platforms to enhance district efficiency and decision-making.
2. **Cybersecurity & Data Protection:** Implements robust security measures, including multi-factor authentication, encryption, and continuous network monitoring to safeguard sensitive student and staff data.
3. **Infrastructure & Connectivity:** Ensures high-speed, reliable internet access across all schools, supporting cloud-based applications, video conferencing, and remote learning capabilities.
4. **Safety & Security Technologies:** Enhances campus safety through video surveillance, access control systems, one-button lockdown capabilities, emergency notification systems, and visitor management solutions to ensure a safe and secure learning environment.
5. **Help Desk & IT Support:** Provides responsive technical assistance to staff and students, minimizing downtime and ensuring seamless technology integration for all aspects of the District.



Plainedge School District Technology Support Requests

Login



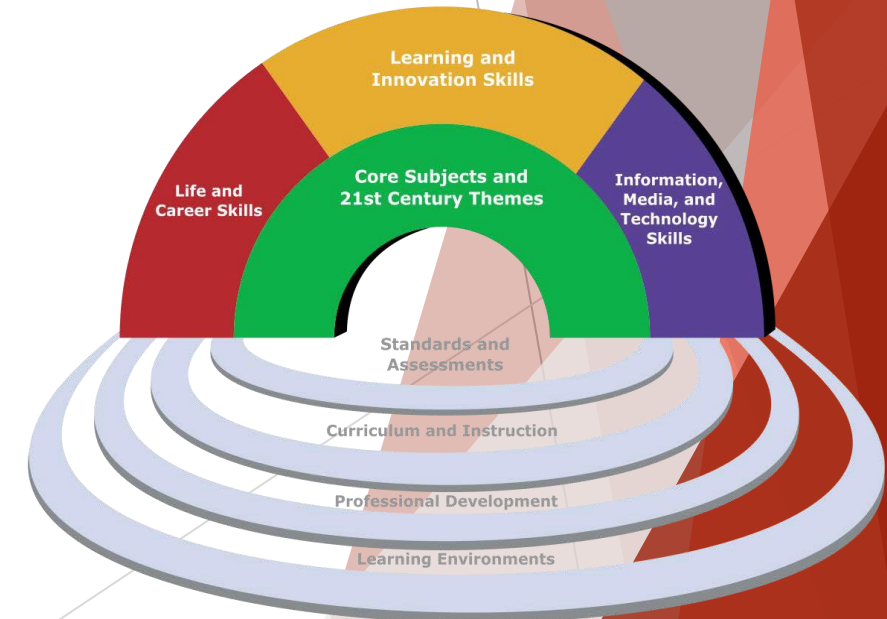
Instructional Technology

The landscape of education has evolved significantly since Prensky's 2002 observation that "Today's students are no longer the people our education system was designed to teach." Today's learners, primarily exhibit distinct characteristics shaped by their upbringing in a digital world.

Digital Natives: See technology as an extension of their brain and cannot imagine a world without it.

Digital Native Learners: Characteristics and Preferences:

- **Digital Natives:** Having grown up with technology, digital native students are inherently comfortable with digital tools and platforms, seamlessly integrating them into their daily lives.
- **Thought Partners/Network:** Digital Natives function best when connected to their network of resources and people.
- **Desire for Immediate Information:** Accustomed to the rapid pace of the internet, they expect quick access to information and prompt responses.
- **Visual Orientation:** Digital natives have fostered a preference for visual content, making them more responsive to images and videos over text-heavy materials.
- **Collaborative and Social Learning:** Digital natives values peer interactions and thrives in collaborative environments, both online and offline.
- **Creativity:** See content as something malleable - something they can reshape in new and interesting ways.
- **Global Connectivity:** This generation is more globally connected than any before, often engaging with diverse cultures and perspectives through digital platforms.



District Technology Goals

- Goal #1: Enhance access to technology 24/7 (mobile technologies)**
- Goal #2: Provide interactive multimedia capabilities in classrooms**
- Goal #3: Enhance technology integration & professional development**
- Goal #4: Provide access to electronic resources for research & information fluency**
- Goal #5: Transform the end user experience via virtualization**
- Goal #6: Curriculum integration and flexible learning paths**
- Goal #7: Provide personalized & blended learning environments**
- Goal #8: Use technology tools to enhance critical thinking, problem solving, and decision making**
- Goal #9: Use technology tools to enhance communication and collaboration**
- Goal #10: Use technology tools to enhance creativity and innovation**
- Goal #11: Provide students the technology tools and proficiencies to be college and career ready**
- Goal #12: Provide teachers and staff the tools necessary to effectively teach 21st century learners.**

OUR K-12 1:1 MOBILE COMPUTING PROGRAM

WHAT DO STUDENTS HAVE NOW?



All Staff Lenovo & HP Chromebooks

Devices by Grade Level

Grade K - Dell Chromebook

Grade 1 - Dell Chromebook

Grade 2 - Dell Chromebook

Grade 3 - Dell Chromebook

Grade 4 - Dell Chromebook

Grade 5 - Dell Chromebook

Grade 6 - Dell Chromebook

Grade 7 - Dell Chromebook

Grade 8 - Dell Chromebook

Grade 9 - Dell Chromebook

Grade 10 - Dell Chromebook

Grade 11 - Dell Chromebook

Grade 12 - Dell Chromebook

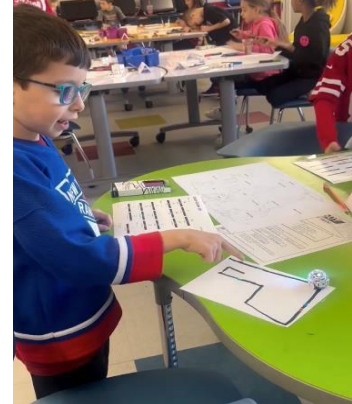
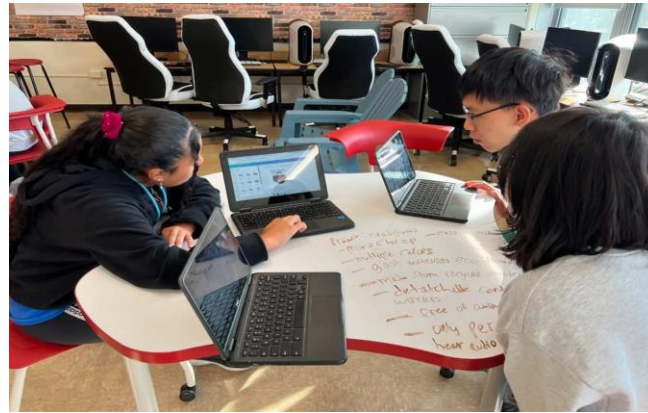
**All Touch Devices*

Pre-K iPad in Every Classroom

OVER 3000+ DEVICES

Technology in Plainedge

Expand and Support
District's STREAM, Robotics, Drone Program & Computer
Science Initiatives & Interactive Classrooms



Portable Planetarium



E-Sports



TV Studio & Sports Media Production



You can now follow PlainedgeTV on...



Head to youtube.com/@plainedgetv



10 weeks: Spring Season
Official competition season

Weekly Schedule (Aligning with the EGF)

Mondays 3pm-4:30pm	Tuesdays 3pm-4:30pm	Wednesdays 3pm-4:30pm	Thursdays 3pm-4:30pm
Game Design	Smash Bros	Rocket League	Overwatch

Livestream Athletic & Auditorium Events

**PlainedgeTV Live
Access Portal**

Current & Upcoming Streams

Be sure to check back here after the event to see the event recording!

The Instructional and Administrative Technology Budget

What Percentage of the Budget?

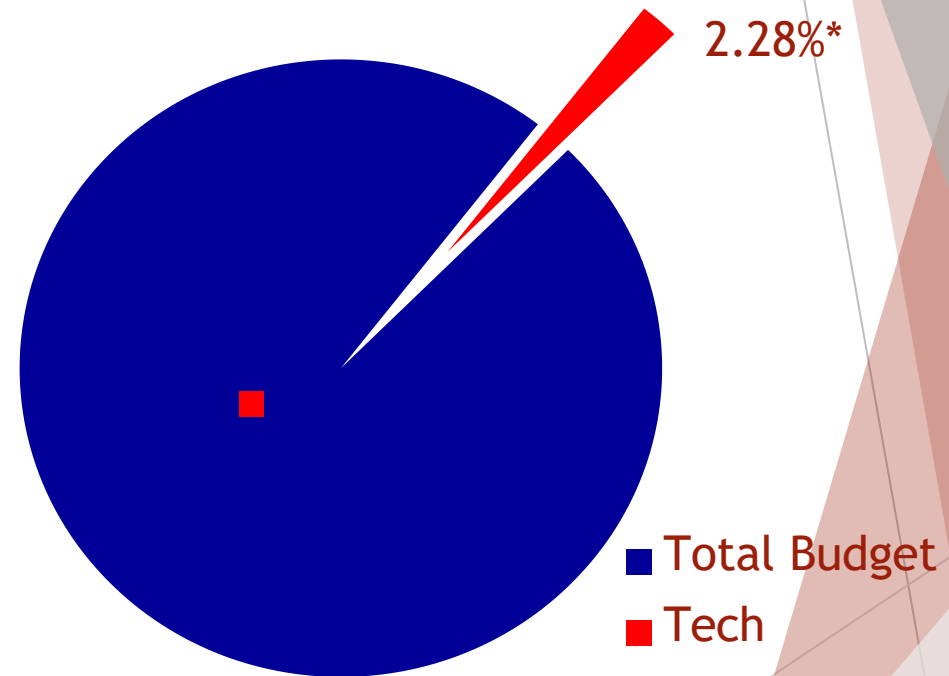
A Historical Perspective

2024-2025 = \$ 2,489,629

2025-2026 = \$ 2,483,236

-0.26%

Year-to-Year Reduction: \$6,393



**NYS Panel of Technology Advisors (as outlined in the USNY Statewide Learning Technology Plan) recommends 5% which aligns with best practices.*

2025-2026 Recommended Budget

Categories	2024-2025	2025-2026
School Supervision - District Copying	\$ 93,588	\$ 83,525
Central Data - BOCES Services	873,277	875,545
Computer Instruction - Equipment	128,078	128,078
Computer Instruction - Contractual	249,670	286,332
Computer Instruction - Software	276,196	245,334
Computer Instruction - Supplies	175,000	175,000
Computer Instruction - BOCES Services	693,820	689,422
Totals	\$ 2,489,629	\$ 2,483,236

Year-to-Year Reduction: \$6,393

Technology In Plainedge 2024-2025

- ✓ Replace end of life and non-touch Chromebooks with New Dell Touchscreen Chromebooks - Grade K, 2, 12
- ✓ Replaced all Instructional and Administrative staff Chromebooks with Lenovo
- ✓ Continued support of our 1:1 program K-12 (Over 3,000 student devices)
- ✓ Continued support of our Zoom & Google Meet & G-Suite for Education (Google)
- ✓ Continued support for our drone program, robotics, and E-Sports programs
- ✓ Replaced and upgraded projectors and document cameras districtwide
- ✓ Completed migration to ParentSquare (discontinued Remind)
- ✓ Continued support for our extensive STREAM & Computer Science programs districtwide
- ✓ Upgraded Tricaster in High School TV Production Studio
- ✓ Expand functionality of our Video Management System (VMS) for districtwide security
- ✓ Expand on new human resources workflow system
- ✓ Continue to monitor and enhance our cybersecurity initiatives districtwide
- ✓ Added to our new hybrid backup system for greater redundancy
- ✓ Launched new Fitness Center App and Software
- ✓ Replaced auditorium camera systems for live streaming with 4K system
- ✓ John H. West Field Project - Fiber optics, audio system, digital scoreboard, and cameras



Technology Initiatives 2025-2026



- Continue to support our 1:1 program K-12
- Support new Computer Science programs
- Support integration of AI into instruction
- Continue support for our extensive STREAM and Robotics programs districtwide
- Continue to support our virtual environments providing access to technology 24/7 from anywhere
- Upgrade EOL interactive whiteboards and projectors with next generation interactive technologies
- Continue support for our remote platforms such as Google Classroom
- Continue and expand staff development and content area focuses with integration training
- Continue to upgrade and improve technology security initiatives



QUESTIONS?

