

# **Olean City School District**

## **Technology Plan**

### **July 1, 2022 – June 30, 2025**



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Technology Plan URL:

<https://www.oleanschools.org/Page/9714>



Washington West  
Elementary



East View  
Elementary



Intermediate-  
Middle School



High School

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## **Introduction:**

The Olean City School District is committed to providing its students and staff with the tools to be successful in the future. Part of that is the exposure to and use of various technical devices, software and applications. This plan lays out a blueprint to ensure our district continues on its journey to provide those tools and experiences. The hope is that we are preparing our students to enter whatever post graduation plans they have and can be a production member of society both locally and globally.

## **Olean City School District Mission / Vision Statement**

The Olean City School District is a student-centered community of excellence in which all members are challenged to learn, achieve, contribute, and innovate.

Guiding Principles:

A commitment to fostering:

- A respectful, safe and welcoming environment
- Embracing diversity
- Continuous improvement
- Academic excellence and lifelong learning
- Honesty, integrity, responsibility, and accountability
- Student potential and achievement

## **Description of the Olean City School District:**

The Olean City School District is located in a rural setting approximately 75 miles south of Buffalo in Cattaraugus County, in the city of Olean. Olean is a close knit community and based on current census estimates, has of about 13,200 residents. There are 3 colleges/universities (Jamestown Community College – Olean Campus, St. Bonaventure University, and the University of Pittsburgh at Bradford, Pa with easy access for all the residents of Olean.

The school district is comprised of 4 buildings: 2 elementary (PreK-3) buildings (East View and Washington West) with approximately 700 elementary students enrolled, an intermediate middle school building (Olean Intermediate Middle School) with approximately 580 students enrolled (grades 4 -7) and a high school building (Olean High School) with 700 students enrolled (grade 8-12). 19.7 % or of the student population (406) are identified as Students with Disabilities. District-wide, free lunches are available to every student

through the Community Eligibility Provision program. The demographics of the student population is: American Indian or Alaska Native: <1 %; Asian: 2%; Black or African American: 8 %; Hispanic or Latino: 4%; Native Hawaiian/Other Pacific Islander: <1%; White: 84 %. The Olean City School District graduates around 150 students per year. The Olean City District currently employs 205 teachers. The NYS Common Core Standards are the foundation for every lesson taught in the district. Olean City School District values innovative curriculum and high quality instruction for our students.

As a result of the recent pandemic, OCSD has realized the increased importance of communication between the school and home. The District recently added Parent Square as a main communication tool. This package has the ability to send messages via email, text, voice calling, and phone app. General posts to large or small groups or direct messages to individuals can be initiated. Emergency notifications can be sent out through this as well along with permission form sign off, polls, and other communication tools. Parents and teachers can also contact each other through the use of SeeSaw at the elementary level and MS TEAMS at the secondary level. The District also continues to utilize a school webpage, which each building has their own daughter element to the main district home page, to communicate and share information to homes. Parents are also able to view their child's grades at anytime through The Parent Portal section of our SIS, eSchool.

The Olean City School District is host to a wide variety of community cultural activities: from community plays to concerts to Barbershop singers. Residents also have ready access to a variety of sporting opportunities including the annual Gus Macker Tournament, swimming, ice skating, skiing, snowmobiling, camping, hockey, baseball, soccer and footballs games. There are many natural areas within a short drive of Olean including Pfeiffer Nature Center, Allegany State Park, and Letchworth State Park.

Olean City School District also works in partnership with the Community Schools. Community Schools has a variety of programs (Adult Education, Liberty Partnership (assistance to students at risk of dropping out), AmeriCorps, Summer Star Program, and "Summer in the Park" (providing activates to area children in Oak Hill Park). Workstations for Community Schools staff are provided through grants obtained through Community Schools and meet the standards set by the district. Participants in these programs have access to district equipment and applications. Community Schools is provided with technology support services. Additional partnerships that the district has with surrounding organizations include Head Start (UPK), Cutco (tutoring of elementary students by Cutco employees), St. Bonaventure University (student teachers and student interns, Arts in Education and STEM Enrichment Program), Reality Check through Roswell Park Cancer Institute, Lutheran Social Services (foster grandparent program in elementary buildings), and YMCA of Twin Tiers

(Extended School Day Program, Community Partnership, and Advantage After School Program), the Olean Public Library, Dream It Do It, and Intandem, for which the district provided internship opportunities for their clients.

**Members of the Technology Plan Committee:**

Jenny Bilotta	District Business Administrator
Karen Fox	OIMS Library Media Specialist
Marc Friends	District Technology Coordinator
Ira Katzenstein	Board Member
Jennifer Kless	Director of Curriculum and Instruction
David Lasky	Teacher on Special Assignment - Technology Integration Specialist
Jennifer Mahar	District Coordinator of State and Federal Aid Programs and District Data Coordinator
Brian Martin	East View 2 <sup>nd</sup> Grade Teacher
Jennifer Mathieson	Olean High School 8th Grade English Teacher
Karen Geelan	Interim Superintendent
Ryan Talbot	Olean Intermediate Middle School 6 <sup>th</sup> Grade Teacher
Art Wentz	Olean Intermediate Middle School Special Education Teacher
Michael Martel	Director of Technology

## **Olean City School District Technology Mission / Vision Statement**

The Olean City School District will continue to complement the learning environment and promote available technology as an integral part of instructional practices. This will be accomplished with integration and access to technology resource by all members of the school community.

### **District Technology Goals**

- 1. All students will use current and emerging technologies and digital resources to participate and succeed in a connected, digital world.**
  - a. Institute a student led Applications Help Desk.
  - b. Provide students with digital literacy learning opportunities.
  - c. Continue with the Teacher on Special Assignment as a Technology Integration Specialist, as funding permits, to assist students/staff with using new and existing technologies and digital resources.
  - d. Continue with the 1-to-1 devices four-year replacement plan for student devices.
  - e. Continue additional computer technical days, through Erie 1 BOCES, to support the district-wide 1-to-1 initiative.
  - f. Creation of esport team(s) in the district to increase technology-based opportunities for students.
- 2. Instructional staff will integrate current and emerging technologies and digital resources into the curriculum to prepare students for participation and success in a connected, digital world.**
  - a. Provide new technologies and digital resources to instructional staff within budgetary constraints.
  - b. Provide continued professional development to instructional staff and administrators on current or emerging technology skills and digital resources.
  - c. Continue with the Teacher on Special Assignment as a Technology Integration Specialist, as funding permits, to assist students/staff with using new and existing technologies and digital resources.
  - d. Share best practices of technology/ digital resource integration among instructional staff.
  - e. Provide professional development for all new staff with an assigned mentor familiar with the building technology and digital resources.
  - f. Provide staff with professional development on the inclusion of the new Digital Fluency standards at appropriate grade levels.

**3. All students and staff will be provided with equitable access to technology devices and digital resources to enhance learning experiences.**

- a. Support the district's digital classrooms with online resources as funding allows.
- b. Continue the use of web-based conferencing systems (currently Zoom and TEAMS) as a means of providing our students with local and global connections.
- c. Upgrade staff devices as needed.
- d. Continue the use of a district Learning Management System platform (currently See Saw and TEAMS).
- e. Enable district busses with internet connectivity.
- f. Integrate the use of a laptop remote management tool (MS-Intune).
- g. Pursue the creation of an evaluation process for software requests.

**4. Provide an up-to-date Network Operations Center infrastructure and equipment to meet the needs of all stakeholders in the district.**

- a. Replace ceiling mounted air conditioning units with wall mounted mini split systems in the server room using "Smart School" funds.
- b. Replace, as need, and maintain all switches and add ceiling-mounted wireless access points in the district through Erie 1 BOCES.
- c. Maintain and monitor the district secure wireless network.
- d. Continue to update the network infrastructure to CAT 6A cables throughout the district.
- e. Continue to budget for equipment and infrastructure in the district budget.
- f. Enhance camera and location systems on district busses.
- g. Continue space improvements in the tech. dept. physical area.

**5. The use of technology will enhance communications between all stakeholders within the school community.**

- a. District web page and social media pages are updated with all relevant information for parents and community.
- b. Staff maintains contact with families via Parent Square.
- c. eSchoolData Parent Portal is accessible and is used by teachers to make grades, attendance, and report cards available to families.
- d. Maintain internal and external (VoIP) voice communications.
- e. Maintain walkie-talkie communications.

Action Plan					
Goal 1: Students will use technology to participate and succeed in a connected, digital world.					
Actions needed to achieve goal	Professional Development	Person(s) Responsible	Date each action will be completed	Indication of Success	Cost
A.) Institute a student led Applications Help Desk.	None	Director of Technology, TOSA as a Technology Integration Specialist, HS Library Media Specialist.	Ongoing throughout each year of the plan (July 2022-June 2025)	Data pulled from Student Help Desk forms indicate that students are using Student Application Help Desk for assistance with how to questions for	No cost
B.) Provide students with digital literacy learning opportunities.	None	Library Media Specialist / TOSA / Teachers	Ongoing throughout each year of the plan (July 2022-June 2025)	Comparison of Pre and Post surveys of students indicate a better understanding of digital literacy and the use of digital	No cost
C.) Continue with the Teacher on Special Assignment as a Technology Integration Specialist, as funding permits, to assist students/staff with using new and existing technologies and digital resources.	Needed for the Teacher on Special Assignment as a Technology Integration Specialist.	Director of Technology / District Administrators	Ongoing throughout each year of the plan (July 2022-June 2025)	The district will have a TOSA as a Technology Integration Specialist on staff, assisting students. Student will be using applications and equipment proficiently. (Data from TOSA show the number of times and classrooms that the	TOSA salary and benefits (\$114,615)



D.) Continue with the 1-to-1 devices student devices for PK-12.	None	Superintendent/ Business Administrator / Director of Technology	Ongoing throughout each year of the plan (July 2022-June 2025)	Newly purchased devices have been distributed to students. (Data from the inventory database reflect the	Annual cost \$292,000.00
E.) Continue computer technical days through Erie 1 BOCES to support the districtwide 1-to-1 device initiative.	None	Superintendent/ Business Administrator/ Director of Technology	Ongoing throughout each year of the plan (July 2022-June 2025)	Additional Computer Technical Support days have been added. Increase in days and/or staff.	126,750
F.) Creation of esport team(s) in the district to increase technology-based opportunities for students.	None	Director of Tech/Building Principals	Fall 2022	eSports team will be up and running in both fall and spring seasons.	20,000

Action Plan					
Goal 2 : Instructional staff will integrate current and emerging technologies and digital resources into the curriculum to prepare students for participation and success in a connected, digital world.					
Actions needed to achieve goal	Staff Development	Person(s) Responsible	Date each action will be completed	Indication of Success	Cost
A.) Provide new technologies and digital resources to instructional staff within budgetary constraints.	Needed professional development will be provided as requested for new technologies and digital resources.	TOSA as a Technology Integration Specialist and District with support from CA BOCES Model Schools and Erie 1 CSLO staff developers.	Ongoing throughout each year of the plan (July 2022-June 2025)	Training provided and documented in PDP and through sign in sheets provided by CA and Erie 1 BOCES. Teachers are integrating new technology skills.	Total Salary of TOSA and cost to district for Model Schools and CLSO COSERS through CA BOCES and devices (\$151,725)
B.) Provide continued professional development to instructional staff and administrators on current or emerging technology and digital resources.	Needed professional development will be provided during in-service days, after school, summers and throughout the school year, using face-to-face sessions,	TOSA as a Technology Integration Specialist and District with support from CA BOCES Model Schools and Erie 1 CSLO staff developers	Ongoing throughout each year of the plan (July 2022-June 2025)	Training provided and documented in PDP and through sign in sheets provided by CA and Erie 1 BOCES. Teachers are integrating new technology skills.	Total Salary of TOSA and cost to district for Model Schools and CLSO COSERS through CA BOCES (\$151,725)

C.) Continue with the Teacher on Special Assignment as a Technology Integration Specialist, as funding permits, to assist students/staff with using new and existing technologies and digital resources.	Needed professional development will be provided for the TOSA on new technologies and digital resources.	Director of Technology /TOSA /Building Administrators	Ongoing throughout each year of the plan (July 2022-June 2025)	Training provided to teachers is documented in PDP. The TOSA calendar reflects teacher support times. Survey results on technology integration show increased use of technology by teachers.	TOSA salary and benefits (\$114,615)
D.) Share best practices of technology/ digital resource integration among instructional staff.	None	Building Administrators	Ongoing throughout each year of the plan (July 2022-June 2025)	Sharing best practices are listed in agenda items and/or minutes from faculty meetings, grade level meetings, team meetings, and department meetings.	No cost
E.) Provide professional development/ mentoring for all new staff with an assigned mentor familiar with the building technology and digital resources.	PD made available for new staff through TOSA, mentor, Erie 1 BOCES and CA BOCES PD staff.	Building administrators/ Mentors / Erie 1 and CA BOCES PD staff	Ongoing throughout each year of the plan (July 2022-June 2025)	Data pulled from PDP Premier on new teaching staff indicates the number of hours of technology PD they received.	Total Salary of TOSA and cost to district for Model Schools and CLSO COSERS through CA BOCES and devices (\$151,725)

F.) Provide staff with professional development on the inclusion of the new Digital Fluency standards at appropriate grade levels.	PD made available for new staff through TOSA, mentor, Erie 1 BOCES and CA BOCES PD staff.	Building administrators/ Mentors / Erie 1 and CA BOCES PD staff	Ongoing throughout each year of the plan (July 2022- June2025)	Data pulled from PDP Premier on new teaching staff indicates the number of hours of technology PD they received.	Total Salary of TOSA and cost to district for Model Schools and CLSO COSERS through CA BOCES and devices (\$151,725)
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Action Plan					
Goal 3: All students and staff will be provided with equitable access to technology devices and digital resources to meet and enhance their learning experiences.					
Actions needed to achieve goal	Staff Development	Person(s) Responsible	Date each action will be completed	Indication of Success	Cost
A.) Support the district's digital classrooms with online resources as funding allows.	PD on using the various online digital resources.	TOSA/CABOCES and Erie 1 BOCES Trainers/Building Administrators/ Director of Technology/ online product trainers	As need throughout each year of the plan (July 2022 - June 2025)	Online resources are available for student and staff use. Data to support indications of success will be pulled from online resources as to the number of online student accounts have been created/ usage reports from online resources	Cost of online resources (CA BOCES /Erie 1 and district purchased) (\$69,078)
B.) Continue the use of web-based conferencing systems (currently Zoom and TEAMS) as a means of providing our students with local and global connections.	PD for new users to conferencing software and equipment.	CA BOCES DL trainers/ TOSA/ peers	Ongoing throughout each year of the plan (July 2022 - June 2025)	Usage of Zoom and TEAMS.	0
C.) Upgrade staff devices as needed.	None	Superintendent/Business Administrator / Director of Technology/CIO/ Curriculum Director	Ongoing throughout each year of the plan (July 2022 - June 2025)	Applications and digital resources are purchased for devices on an annual basis.	Cost of applications and digital resources. (\$69,078)

D.) Continue the use of a district Learning Management System platform (currently See Saw and TEAMS).	PD for staff on using the selected Learning Management System	Superintendent/ Business Administrator/ Building Administrators/ Teacher committee/ Director of Technology	Ongoing throughout each year of the plan (July 2022 - June 2025)	Students, teachers and administrators are using the selected learning management system.	4,950
E.) Enable district busses with internet connectivity.	None	Business Administrator/Dir. of Tech.	Fall 2022	Positive internet accessibility on busses.	\$1280 per bus to set up and operate yearly. OR cost of Kajeets
F.) Integrate the use of a laptop remote management tool (MS-Intune).	None	Director of Tech/Technology Coordinator	Fall 2022	All student and staff laptops are remotely accessible.	None
G.) Pursue the creation of an evaluation process for software requests.	None	Director of Tech/Director of Technology/TOSA	Ongoing throughout each year of the plan (July 2022 - June 2025)	Work flow will exist for this.	None

Action Plan					
Goal 4. Provide an up-to-date Network Operations Center infrastructure and equipment to meet the needs of all stakeholders in the district.					
Actions needed to achieve goal	Staff Developmet	Person(s) Responsible	Date each action will be completed	Indication of Success	Cost
A.) Replace ceiling mounted air conditioning units with wall mounted mini split systems in the server room using “Smart School” funds.	None	Superintendent , Business Administrator, Director of Technology, Erie 1 LAN and WAN Senior Technicians		Server room is cool.	34,000
B.) Replace, as need, and maintain all switches and add ceiling-mounted wireless access points in the district through Erie 1 BOCES.	None	Director of Technology/ Erie 1 BOCES Senior WAN/LAN Computer Support Specialists	Ongoing throughout each year of the plan (July 2022 – June 2025)	Switches purchased with eRate funds has been completed.	312,101
C.) Maintain and monitor the district secure wireless network.	None	Director of Technology/ Erie 1 BOCES Senior WAN Computer Support Specialist	Ongoing throughout each year of the plan (July 2022 – June 2025)	District secure wireless network is updated with the latest software keeping a robust wireless network.	Cost to district of WAN Computer Support Specialist (\$55,162)
D.) Continue to update the network infrastructure to CAT 6A cables throughout the district.	None	Director of Technology/CA BOCES technical services	Ongoing throughout each year of the plan (July 2022 – June 2025)	Only Cat 6A network wiring is purchased and used for any wiring runs in the district.	Cost wiring through CA BOCES technical support Services (\$6500)

E.) Continue to budget for equipment and infrastructure in the district budget.	None	Superintendent , Business Administrator, Director of Technology	Ongoing throughout each year of the plan (July 2022 – June 2025)	Needed equipment was purchased and updates to infrastructure have been completed as budgeted.	500,000
F.) Enhance camera and location systems on district busses.					3,360
G.) Continue space improvements in the tech dept. physical area.					5,000



Action Plan					
Goal 5: The use of technology will enhance communications between all stakeholders within the school community.					
Actions needed to achieve goal	Staff Development	Person(s) Responsible	Date each action will be completed	Indication of Success	
A.) District web page and social media pages are updated with all relevant information for parents and community.	Creating and updating teacher web pages provided on as needed basis.	District Webmaster / TOSA as a Technology Integration Specialist/building principals	Ongoing throughout each year of the plan (July 2022 - June 2025)	District web page will have up-to-date information that includes district technology plan and student Technology Acceptable Use Guidelines and district newsletter, as well as other pertinent information. Parent feedback regarding availability of information on the district site.	Cost of Web site through Erie 1 (\$12,145)
B.) Staff maintains contact with families via Parent Square.	None	Teachers / building principals	Ongoing throughout each year of the plan (July 2022 - June 2025)	Families and teachers consistently use Parent Square as a means of open communication.	0

C.) eSchoolData parent portal is used by teachers to make grades, homework, attendance, and report cards available to families.	eSchool data training / review on posting grades, homework, attendance, and discipline for all teaching staff.	Building principals / Director of Technology / TOSA as a Technology Integration Specialist / district turnkey trainers	Ongoing throughout each year of the plan (July 2022 - June 2025)	Teachers consistently post grades, homework, attendance, and discipline to the parent portal.	eSchoolData cost through Erie 1 (\$18,187)
E.) Maintain internal and external voice communications.	New teachers/ support staff provided training during an in-service day on using VoIP system /	Director of Technology	Ongoing throughout each year of the plan (July 2022 - June 2025)	Every classroom and office has access to working phones and voicemail.	VoIP annual costs (\$93.408)
F. Maintain walkie-talkie communications.	None	Director of Technology	Ongoing throughout each year of the plan (July 2022 - June 2025)	All staff with walkie talkies can communicate with each other.	Annual cost of walkie talkie service (\$9,000)

## Curriculum

To facilitate meeting the 21<sup>st</sup> Century learning skills of communication and collaboration, the District has achieved a 1 to 1 device initiative and will move forward with a continuous cycle of replacement. All students entering 9<sup>th</sup> and 10<sup>th</sup> grades in the fall of 2021 received a new Dell laptop and all students entering the 2<sup>nd</sup> and 3<sup>rd</sup> grades received a new iPad. Teachers are expanding the use of our Digital Learn Platforms: SeeSaw and MS TEAMS for posting assignments and videos, discussion questions, and as a place for student collaboration. Olean uses the Distance Learning COSER through CA BOCES and participates in collaborative video conference opportunities.

The District uses and disaggregates assessment data to drive instruction at all grade levels and subject areas. Teachers work in teams, subject areas and individually to disaggregate and review data from the NYS Assessments, local testing data and student performance. This data is used to plan, differentiate, and align instruction with our curriculum to assist students in achieving learning goals. AIS services are provided as required by NYSED. The District utilizes web-based programs such as Data Warehouse, Renaissance Learning Star Assessments, and SchoolPace to obtain the data necessary to drive instruction. Curriculum maps are reviewed regularly to align with all other content area standards. Maps for K-7 are available on a district-wide shared drive for all teachers to access and maps for 8-12 are located on the high school web pages. The District is also utilizing NY Learns, a curriculum management system that will house all curriculum maps as well as provide lesson planning tools.

The District offers several specialized curricula to our high school students. Project Lead the Way is currently in its 15<sup>th</sup> year in our District. Two of the classes are available for students before school so that students enrolled in these can also participate in the full course offerings available to all students during the regular school day. A handful of students also attend from surrounding districts as those districts do not provide this in house. With the addition of Adobe Creative Cloud which provides access to software such as Adobe Photoshop and Illustrator on student laptops, the high school Art Department is able to offer graphic arts classes that depend heavily on this cloud-based software package to complete design projects. In addition, there are Business Classes with the following course offerings for students: Accounting, Micro-Computers I and II, Careers and Financial Management, Sports and Entertainment Marketing, and Business Communications/BEEP. In the high school, Technology Education utilizes Google Sketch-Up, Autodesk, AutoCAD, Autodesk Fusion 360, PIC Axe Editor 6, Logger Pro 6, and West Point Bridge Designer software as design tools for students. Kurzweil is available in two Test Accommodations labs (one in the high school and one in the intermediate middle school), as well as a web-based application, for use by students who need tests or texts read to them. District programming classes use a variety of software including Alice 3.0, Scratch and HTML/CSS programming. Additionally, the District has LEGO Mindstorms as a programming option for students in OIMS and the elementary buildings.

With the implementation of a balanced literacy framework, our intermediate middle school students and elementary students and their families have access to digital books through SchoolPace Bookshelf and OverDrive e-libraries. The Math Big Ideas series is available electronically to students on their devices in grades 6 and up.

## **Professional Development**

Meeting the learning styles/needs of our digital natives is a must for our students. One of the District's Technology Plan's goals is to integrate newer technology and digital resources into instruction. Olean City School District will continue with the process of replacing the new technologies (iPads for PK - 5 graders and the laptops students in grades 6 - 12, although currently exploring the possibility of MS Surface laptops for the 4-5 graders) for students and instructional staff. As a result of the COVID-19 pandemic, staff members have embraced the use of online tools and applications to enhance the learning experiences for the students. Professional development will continue as the District meets the goals of having students and staff using technology to participate and succeed in a connected, digital world, and providing all students and staff with equitable access to digital resources to enhance learning experiences. Staff will continue to integrate this new technology into the curriculum.

The District strives to meet the needs of staff members through a range of professional development strategies. Professional Development days have technology skills development strands. Model Schools/CSLO staff and the District Technology Integration Specialist TOSA provide the initial training sessions and the much-needed classroom support. New teachers receive mentoring and assistance with learning and integrating the building technologies into their instruction. Grade levels and departments meet to review best practices for how a new piece of technology or a web-based application is integrated into the curriculum. The District Teacher on Special Assignment (TOSA) as a Technology Integration Specialist works one-on-one and with small groups of staff on learning new technologies/resources and perfecting the use of existing technologies; integrating the new with current curriculum; and moving the district toward a blended learning model.

The District's Technology Mission/Vision is to complement the learning environment and to promote the learning and use of the latest technology. We believe that the use of technology should be an integral part of instructional practices. This will be accomplished with integration and access to technological resources by all members of the school community. The District will push forward with the NYS Computer Science and Digital Fluency Standards and plan on integrating these into PK-12 classrooms to ensure that instructional and administrative staff have the necessary skills to support teaching, learning, and creation in a technology-enriched environment.

Olean City School District's objective for technology-related professional development is to continue to provide quality, targeted training, and support for the educators on the integration of newer technologies into their curriculum. The District also provides the tools and training needed for administrative support staff to perform their duties effectively. Olean has adopted the NYSUT Rubric for use as the evaluative tools in teacher evaluations for the district APPR. The NYSUT Rubric references 21st Century technology skills. New York Teacher Standard I.6 (Indicator A) evaluate teachers on their understanding of technology literacy. Olean's Professional Development Plan has identified technology integration into instruction as a strategy for educators to help meet the New York State Learning Standards.

The following models of professional development are available for educators:

- ✓ Five Professional Development Days per year (In-service days)
  - Technology training is a component of these days. The training available correlates with components of the technology needs as indicated by instructional staff.
- ✓ CSLO days available through Western NY Regional Information Center with the following options:
  - Technology Integration Workshops
  - Attending Regional 3 Day Workshops
  - Working in small groups with WNYRIC staff on the continuing development of technology skills and integration of new technologies into the curriculum
  - Attending after-school technology training/integration sessions
- ✓ Model Schools days available through Cattaraugus – Allegany – Erie – Wyoming BOCES with the following options
  - Attending CAEW-BOCES offered technology workshops
  - Working in small groups with CAEW- BOCES staff on continuing development of technology skills and the integration of new technologies into the curriculum
  - Attending after-school technology training/integration sessions
  - Collaborating with CAEW-BOCES staff to model lessons rich in technology

- ✓ Summer Professional Development opportunities (in the district and through CSLO and Model Schools)
- ✓ Cattaraugus-Allegany Teacher Center professional development opportunities
- ✓ After school technology skills learning / enhancement opportunities
- ✓ On-line professional development, on-line video tutorials and webinars, and tutorials available on the district intranet
- ✓ Mid-Winter and/or Spring Break professional development opportunities
- ✓ Technology Integration training/modeling and support by the district Teacher on Special Assignment Technology Integration Specialist.

## **Technology and Students with Disabilities/ELL Students**

Olean City School district has a very proactive Pupil Services department and student-centered teachers who use available devices and digital resources with our students with disabilities to support their individualized learning needs.

Technology devices such as iPads are provided for student and teacher use in grades PreK-4 with student-specific apps (i.e. Overdrive/Sora and Reading Eggs apps have audiobooks available for students with reading delays. With the district subscription to the Renaissance Learning Suite is connected our Star Reading Testing application. We also utilize Zearn, bookshelf, and myOn, all of which have leveled content available in iPads and laptops. The district purchases Apps for the iPads for students with disabilities as requested by the Director of Pupil Services.

The district has moved into the direction of purchasing online publisher textbooks with audio when available. Most recently, we have purchased new book series for our 8<sup>th</sup> grade science and social studies classes with online access for all students to the etext. The textbooks with audio allow students to adjust the pace of the text being read to them. If books are not available digitally, the district uses Kurzweil Firefly to read scanned textbooks and reading materials to students. Kurzweil Firefly is also used by students with disabilities to read websites and scanned documents (included exams) to them. Study Island differentiates for students by skills, standards and grade level. Additionally, Office 365 also provides Immersion Reader to our non-readers thus allowing students to have the text read to them when using Office 365.

Files are created or scanned and shared digitally with students through Office 365 and Kurzweil for use by students as needed. Scaffolding support is provided by teachers and aides. Visual aids are provided through the use of videos (Discovery Learning, YouTube, staff created videos) to provide more detailed instruction for students that need it or for students that need repeated exposure to develop the understanding needed,

and graphic organizers created either online or using Microsoft Words are made available to students to help student in categorizing information or for making connections between information.

Proloqui2go and Touch Chat are used for non-verbal or limited verbal students as apps that aid in talking.

Smartboards and interactive touchpanels are used as an instructional tool to keep the students tactilely engaged in their learning process. Boom Cards used for speech in some classrooms in conjunction with the aforementioned boards/touchpanels. Speech to text in 0365 and text to speech using Kurzweil web-based version called FireFly are both available to students with disabilities to use as needed. There are two testing accommodation labs in the district available for students that need the extended time, test read accommodations or other testing accommodations as specified on their IEP.

To accommodate visual issues the district has the following available to students: Zoom Text; for online testing, the change of background colors, the zooming of text, the masking of questions, similar to the CBT browser, Nextera, are made available as needed for student use. Microsoft allows for students to increase font size, change the color and font, as well as bold the text for ease of reading. Individual videos on the web for extra instruction for students who need to hear the information more than once or visually (YouTube and Discovery).

To provide support for ELL students the district can provide the following technologies to students:

- ✓ iPads and laptops with translation Apps
- ✓ Office 365 has the app, Translate that will translates text into numerous languages
- ✓ The district web site provide translation options to students and their families.
- ✓ The district also is able to secure the services of an ELL teacher through our local BOCES as needed.

## **Funding and Budget Component**

The Information Technology Services Department coordinates all technology related funding. Much of the technology funding is used to purchase services through Erie 1 BOCES and Cattaraugus-Allegany BOCES which have proven to be a cost effective way of meeting the needs of the district. New rules in place allowing for state aided hardware, software, and textbook money to be combined to use for hardware, software or textbooks has lessened the strain of being able to upgrade technology in the district.

- ✓ **BOCES Services** includes funding for a variety of administrative technology services that is budgeted for by the district. These services include nVision, Library Automation, Digital Content, Distance Learning,

Data Warehouse, IEP Direct, PDP Premier, Web page hosting and creation using SchoolWires, SIF services, Networks services and Telecommunications as well as other

2022-2023		2023-2024		2024-2025	
BOCES Services	\$581,920	Total	\$599,377	Total	\$617,359

✓ **Professional Development funding** for staff development remains a critical component to the Olean City School District for the continued integration and implementation of technology throughout the District. Technology Professional Development is coordinated through four different funding sources: Title 2D grants, Title VI grants, Erie 1 CSLO participation and Cattaraugus-Allegany BOCES Model School participation, the Cattaraugus- Allegany Teacher Center and the addition of a Teacher on Special Assignment for Technology Integration.

2022-2023		2023-2024		2024-2025	
PD Total	\$ 314,805	Total	\$324,249	Total	\$333,977



• **Hardware Funding** is utilized to purchase new technologies and to upgrade and replace current technologies that have reached their end-of-life cycle in the classroom as well as for administrative purposes. Olean has an ongoing replacement cycle for district teacher /administrative workstations. When feasible usable workstations are rolled down into classrooms for pods of workstations. As the district continues with the 1:1 initiative of student devices, replacement of the devices has become part of the replacement cycle. The district has just entered into year 1 of a 3 year lease with Erie 1 for 36 networked high speed copiers/printers.

2022-2023		2023-2024		2024-2025	
Hardware	\$565,418	Total	\$571,072	Total	\$576,783

• **Local Software Funding** is used to continue the support of instructional excellence of the district. The district continues to standardization software applications on all instructional workstations and to purchase web-based services. Software purchase request are channeled through the technology department. When a new application or web-based service is requested, a committee structure is utilized to evaluate and make recommendations for the new software or web-based purchase and ensure that it is EDLAW 2D compliant. The overarching objective for recommendations for purchase is how the software will impact student learning and how does it align to the Standards and the curriculum.

2022-2023		2023-2024		2024-2025	
Software	\$49,125	Software	\$49,125	Software	\$49,125

The district utilizes several software components through Erie 1: nVision (for payroll, human resources, and purchases), eSchool Data (student information system), WinCap (for use in the cafeteria – management system), MS Outlook (email service), IEP Direct (for web based Special Education management), Data Warehouse (to analyze student and assessment data), Relay Rocket Content Filtering (for compliance with CIPA), the Microsoft EES service (to install the most recent versions of Office and server software), and SchoolWires-Blackboard (Web page creation) Through Media Services from CA BOCES staff and students have access to a wide range of digital content that include distance learning opportunities, digital video content, and on-line databases. As new SIF agents become available for Administrative the district will purchase these agents to ensure SIF Compliance and application interoperability. Software funding is also utilized to renew yearly software licensing such as

Project Lead the Way and on-line access to sites such as Turnitin.com, Castle Learning, Planbook, etc.

- **Technical Support and Maintenance** is another area that the district budgets for on an annual basis. Currently there is a Director of Technology, a Technology Coordinator, a Keyboard Specialist/Inventory Control/Help Desk/Basic Troubleshooter, 2 full-time computer technical support staff for the district, and support from Erie 1 BOCES (a 2-day/week full time Microcomputer Technical Support Specialist and a 3-day/week computer support specialist). The district also has the services of LAN and WAN Senior Technicians for half a day a week through Erie 1 BOCES. There are maintenance contracts (through Erie 1) for all of the Erie 1 equipment and software in the district. In addition the district has the services of an AV technician for 1 day a week through CA BOCES.

2022-2023		2023-2024		2024-2025	
Technical Support / Maintenance	\$655,476 –IT Staff \$141,972 - Maintenance	Technical Support / Maintenance	\$688,250 –IT staff \$146,231 – Maintenance	Technical Support / Maintenance	\$722,662 IT staff \$150,618- Maintenance



## Technology Plan Monitoring and Evaluation Component

The district technology goals will be monitored and evaluated by the Technology Committee using data collected through the following:

- Funds allocated to 1:1 devices in our Erie 1 budget have been expended
- Accounts in Office 365 created for students
- Online account login data retrieved through ClassLink
- Inventory database reflects devices assigned to students
- Closed Help Desk tickets
- Pre and post survey results on Digital Literacy
- District budget expenditures
- Increase in computer technical days reflected by budgetary increases for Erie 1 BOCES
- Data collected from PDP Premier on professional Development opportunities attended by teachers
- TOSA reporting data on classroom support
- Grade level/ Dept. level meeting agendas reflect sharing of best practices
- Minutes of PD committee reflect the review of PD plan
- Review of minutes of Technology Committee reflect adoption of Learning Management System
- Allocated Smart Schools funds have been expended and the district budget will reflect that it has been reimbursed
- Expenditures in district budget reflect racks for OIMS data closets and Smart Schools fund expenditures on air conditioners for OIMS data closets.