

2018-2021 Instructional Technology Plan - 2018

I. District LEA Information

Section I - District LEA Information

1. **What is the name of the district administrator responsible for entering the Instructional Technology Plan data?**

Bruce R. Axelson

2. **What is the title of the district administrator responsible for entering the Instructional Technology Plan data?**

Other (please identify in Question 2a, below)

2a. **If 'Other' was selected in Question 2 above, please identify the title.**

Principal of Technology and CIO

For help with completing the plan, please visit 2018-2021 ITP Resources for Districts, contact your district's RIC, or email edtech@nysed.gov.

2018-2021 Instructional Technology Plan - 2018

II. Strategic Technology Planning

Section II - Strategic Technology Planning

1. What is the overall district mission?

The Lackawanna City School District is an educational community that uses technology to (a) enhance student learning and achievement, (b) design and maintain effective instructional systems, (c) promote lifelong learning, and (d) develop employment skills for all members of the community through the application of electronic communication and information systems.

The District will develop, implement, maintain, and evaluate an instructional technology plan that informs teachers, administrators, parents, students, and other members of the education community of the technology resources that support all students in achieving high standards.

2. What is the vision statement that guides instructional technology use in the district?

The Lackawanna City School District is an educational community that uses technology to provide opportunities for all students to develop their total intellectual potential. This is critical for students to be successful and productive in their future academic and career lives and responsible contributing members of their community. High quality learning technologies will be available and widely and equitably used in all district classrooms to support the engagement of students, teachers, administrators, parents and the community in helping all students to achieve high standards.

Educational technology applications will deepen student engagement and improve student achievement by enabling them to access and analyze information, solve problems, collaborate with others, and communicate their thoughts and ideas. Effective use of learning technologies will allow students to become self-directed, self-motivated, and lifelong learners.

Teachers increasingly will be facilitators of student learning through proficient use of learning technologies. All teachers will receive intensive, job-embedded, ongoing professional development in integrating technology into curricula and instruction.

3. List three goals that will drive the attainment of the vision.

	List Goals
Goal 1	Goal 1) Incorporate a standardized level of instructional technology within each school and within each classroom. The instructional technology may consist of an elmo with laptop, cart, speaker and Internet capabilities whether it be hardwired or wireless. Educational technology applications will deepen student engagement and improve student achievement by enabling them to access and analyze information, solve problems, collaborate with others, and communicate their thoughts and ideas. Effective use of learning technologies will allow students to become self-directed, self-motivated, and lifelong learners.
Goal 2	Goal 2) Make available a standardized level of instructional applications with each school and within each classroom that will meet the needs of teacher evaluation, student evaluation, and be compatible with the hardware infrastructure in place. The instructional applications may consist of BOCES supported applications for literacy, mathematics, course credit acquisition, or Regents Exam preparation. Teachers increasingly will be facilitators of students learning through proficient use of learning technologies. All teachers will receive job-embedded, ongoing professional development in integrating technology into curriculum and instruction.
Goal 3	Goal 3) Offer learning opportunities for teachers through the Lackawanna Teacher Center and other outlets to hone their abilities to incorporate the use of technology in the classroom.

4. Do you want to list a fourth goal that will drive attainment of the vision?

Yes

4a. List Goal #4

Goal 4) Update and enhance the District's networking infrastructure that will support hardwired access, wireless access, integrated standardized VOIP communications, video, building access and security systems throughout the buildings and classrooms.

5. Do you want to list a fifth goal that will drive attainment of the vision?

No

2018-2021 Instructional Technology Plan - 2018II. Strategic Technology Planning

- 6. Summarize the planning process used to develop answers to the Instructional Technology Plan questions and/or your district comprehensive instructional technology plan. Please include the stakeholder groups participating and the outcomes of the instructional technology plan development meetings.**

The planning process used to develop the instructional technology plan consists of various stakeholder groups including parents, teachers, and administrators. A copy of the technology plan is provided for review and to open discussion about the District's instructional technology.

At least three meetings are held each year with available stakeholder groups to review, discuss, and develop the technology plan. Other opportunities for participation and information exchange come in the form of survey's and discussions during professional development time as well as during department head and faculty meetings.

2018-2021 Instructional Technology Plan - 2018**II. Strategic Technology Planning****7. Please describe the professional development plan for building the capacity of educators and administrators in the attainment of the instructional technology vision.**

The professional development offered to teachers and staff, will consist of the ten standards for high quality professional development and indicated on <http://www.highered.nysed.gov/tcert/pdf/pdstds.pdf>: Designing Professional Development: Professional development design is based on data; is derived from the experience, expertise and needs of the recipients; reflects best Content Knowledge and Quality Teaching: Professional development expands educators' content knowledge and the knowledge and skills necessary to provide developmentally appropriate instructional strategies and assess student progress. Research-based Professional Learning: Professional development is research-based and provides educators with opportunities to analyze, apply and engage in research. Collaboration: Professional development insures that educators have the knowledge, skill and opportunity to collaborate in a respectful and trusting environment. Diverse Learning: Professional development insures that educators have the knowledge and skill to meet the diverse learning needs of all students. Student Learning Environments: Professional development insures that educators are able to create safe, secure, supportive, and equitable learning environments for all students. Parent, Family and Community Engagement: Professional development ensures that educators have the knowledge, skill, and opportunity to engage and collaborate with parents, families, and other community members as active partners in children's education. Data-driven Professional Practice: Professional development uses disaggregate student data and other evidence of student learning to determine professional development learning needs and priorities, to monitor student progress, and to help sustain continuous professional growth. Technology: Professional development promotes technological literacy and facilitates the effective use of all appropriate technology. Evaluation: Professional development is evaluated using multiple sources of information to assess its effectiveness in improving professional practice and student learning.

Professional development is the cornerstone of the District Instructional Technology Plan. The commitment to provide professional development in both a variety of ways and over time is critically important to the overall success of the Districts technology implementation. The Districts professional development will be a year round process and will utilize both in-house faculty and outside resources to optimize the availability and expertise for all faculty to build capacity using instructional technology. The district works with Erie One BOCES trainers and utilizes the CSLO (Common Set of Learning Objectives) COSER to provide coaching and training in various hardware and software applications by BOCES trained professionals. District Administrators and Building Principals are identifying competent staff to offer workshops through the Lackawanna Teacher Center.

The professional development that will be offered includes:

- Safe Schools - Includes student social emotional developmental health topics and compliance training, for all faculty and staff, training is online.
- CSLO Model Schools Days - the district has contracted with Erie 1 BOCES to provide classroom modeling and coaching for instructional technology integration, for teachers, on site.
- Office 365- Classroom in the Cloud, All Teachers and Students, on site.
- Excel - all support staff, on site.
- Curriculum mapping utilizing the Educational Vistas R-BEM Software, all Teachers, on site.
- Castle Learning- To show teachers how to boost student achievement and understanding of the content taught from the beginning of the school year to the end. Also, for teachers to learn how to use Castle Learning effectively for student personalized learning
- Target Ed- Teachers will get digital resources that align with common core standards curriculum maps in ELA and Math (Professional Development through Woz U and the Lackawanna Teacher Center).
- Beyond TargetED - Teachers will be able to choose from :interactive, technology-based lessons designed to help students learn concepts without assistance; Web-based game: Engaging standards-aligned whiteboard lessons for use with SMART of ActiveInspire Software (Professional Development through Woz U and the Lackawanna Teacher Center)
- Propel - is an instructional platform that provides supplemental resources for teaching English Language Arts and Math (Professional Development through Woz U and the Lackawanna Teacher Center)
- iPad- training on the use of iPads as part of the collaboration with Woz U
- Go Math
- Magic Penny
- Capti Voice
- Reading A-Z
- i-Ready
- Choices 360
- InFocus Whiteboards

2018-2021 Instructional Technology Plan - 2018

II. Strategic Technology Planning

8. How will the instructional technology goals be measured and evaluated during and after implementation? Be sure to include any tools or metrics that are part of this evaluation process.

At the mid-year mark and end of year mark, the Instructional Technology Committee will incorporate in its meeting, discussion and review of the plan and identify how the District is doing with regard to meeting the vision and goals outlined as well as making a positive impact on teaching and learning in the District.

The Committee will self-assess the meeting of the vision and goals.

The impact on teaching and learning will be evaluated based on survey response.

The dates of the meetings will coincide with the dates at the end of each semester (in January and June) during the school year.

The Committee will review the audit of instructional software used by the district

For help with completing the plan, please visit 2018-2021 ITP Resources for Districts, contact your district's RIC, or email edtech@nysed.gov.

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 1

Section III - Action Plan

Overview: This section requires specific action steps that will be taken in order to achieve each of the goals presented in Section II of the plan. Each goal will have its own page in the plan. For this page, copy Goal #1, which you listed in Section II, Question 3, and respond to all questions below.

1. Goal #1

Goal 1) Incorporate a standardized level of instructional technology within each school and within each classroom. The instructional technology may consist of an elmo with laptop, cart, speaker and Internet capabilities whether it be hardwired or wireless.

Educational technology applications will deepen student engagement and improve student achievement by enabling them to access and analyze information, solve problems, collaborate with others, and communicate their thoughts and ideas. Effective use of learning technologies will allow students to become self-directed, self-motivated, and lifelong learners.

2. Select the NYSED goal that best aligns with this district goal.

- 1. Develop a strategic vision and goals to support student achievement and engagement through the seamless integration of technology into teaching and learning

3. Target Student Population(s). Check all that apply.

- | | |
|---|---|
| <input checked="" type="checkbox"/> All students | <input type="checkbox"/> Migrant students |
| <input type="checkbox"/> Pre-K-2 | <input type="checkbox"/> Homeless students |
| <input type="checkbox"/> Grades 3-5/6 | <input type="checkbox"/> Economically disadvantaged students |
| <input type="checkbox"/> Middle School | <input type="checkbox"/> Students between the ages of 18-21 |
| <input type="checkbox"/> High School | <input type="checkbox"/> Students who are targeted for dropout prevention or credit recovery programs |
| <input type="checkbox"/> Students with Disabilities | <input type="checkbox"/> Other (please identify in Question 3a, below) |
| <input type="checkbox"/> ELL/MLLs | |

4. List the action steps that correspond to Goal #1 from your answer to Question 1, above.

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated cost
Action Step 1	Planning	Evaluate current level of instructional technology being utilized district wide and fill gaps with additional technologies. Conduct District Audit.	Other (please identify in next column,	Principal of Technology and CIO	Jan. (01)	2018	0

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 1

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated cost
			to the right)				
Action Step 2	Purchasing	Greater number of student devices available to increase the equitable access for all students.	Other (please identify in next column, to the right)	Principal of Technology and CIO	June (06)	2021	\$225,000
Action Step 3	N/A	N/A	Other (please identify in next column, to the right)	N/A	June (06)	2021	N/A
Action Step 4	N/A	N/A	N/A	N/A	June (06)	2021	N/A

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 1

5. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #1 from your answer to Question 1, above.

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here.	Anticipated month of completion	Anticipated year of completion	Anticipated cost
Action Step 5	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
Action Step 6	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
Action Step 8	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 2

Section III - Action Plan

Copy Goal #2, which you listed in Section II, Question 3, and respond to all questions below.

1. Goal #2

Goal 2) Make available a standardized level of instructional applications with each school and within each classroom that will meet the needs of teacher evaluation, student evaluation, and be compatible with the hardware infrastructure in place. The instructional applications may consist of BOCES supported applications for literacy, mathematics, course credit acquisition, or Regents Exam preparation.

Teachers increasingly will be facilitators of students learning through proficient use of learning technologies. All teachers will receive job-embedded, ongoing professional development in integrating technology into curriculum and instruction.

2. Select the NYSED goal that best aligns with this district goal.

3. Increase equitable access to high-quality digital resources and standards-based, technology-rich learning experiences

3. Target Student Population(s)

- All students
- Pre-K-2
- Grades 3-5/6
- Middle School
- High School
- Students with Disabilities
- ELL/MLLs
- Migrant students
- Homeless students
- Economically disadvantaged students
- Students between the ages of 18-21
- Students who are targeted for dropout prevention or credit recovery programs
- Other (please identify in Question 3a, below)

4. List the action steps that correspond to Goal #2 from your answer to Question 1, above.

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated cost
Action Step 1	Planning	Audit of instructional software used by the District. Done annually.	Other (please identify in next column,	Principal of Technology and CIO	Dec. (12)	2018	0

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 2

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated cost
			to the right)				
Action Step 2	Purchasing	Purchase of State Aided Computer Software. Annually.	Other (please identify in next column, to the right)	Principal of Technology and CIO	Jan. (01)	2018	\$25,000 Annually
Action Step 3	Purchasing	Propel Online Resources(Woz U)	Other (please identify in next column, to the right)	Principal of Technology and CIO	Nov. (11)	2018	\$284,400
Action Step 4	Purchasing	Classlinks allows for easier student access to and capacity for searchable content.	Other (please	Principal of Technol	Sept. (09)	2018	\$6,700

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III. Action Plan - Goal 2

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated cost
			ase identify in next column, to the right)	ogy and CIO			

5. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #2 from your answer to Question 1, above.

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you chose "Other" Responsible Stakeholder in the column to the left, please identify here.	Anticipated month of completion	Anticipated year of completion	Anticipated cost
Action Step 5	(No Response)	(No Response)	Other (please identify in	(No Response)	(No Response)	(No Response)	(No Response)

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 2

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you chose "Other" Responsible Stakeholder in the column to the left, please identify here.	Anticipated month of completion	Anticipated year of completion	Anticipated cost
			next column, to the right)				
Action Step 6	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
Action Step 8	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 3

Section III - Action Plan

Copy Goal # 3, which you listed in Section II, Question 3, and respond to all questions below.

1. Goal #3

Goal 3) Offer learning opportunities for teachers through the Lackawanna Teacher Center and other outlets to hone their abilities to incorporate the use of technology in the classroom.

2. Select the NYSED goal that best aligns with this district goal.

5. Provide access to relevant and rigorous professional development to ensure educators and leaders are proficient in the integration of learning technologies

3. Target Student Population(s)

- All students
- Pre-K-2
- Grades 3-5/6
- Middle School
- High School
- Students with Disabilities
- ELL/MLLs
- Migrant students
- Homeless students
- Economically disadvantaged students
- Students between the ages of 18-21
- Students who are targeted for dropout prevention or credit recovery programs
- Other (please identify in Question 3a, below)

3a. If 'Other' was selected in Question 3, above, please identify target student population(s).

Teachers

4. List the action steps that correspond to Goal #3 from your answer to Question 1, above.

Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
Action Step 1	Contractual Staff Development Days - Annual professional development for teachers that will consist of various technology workshops. CSLO Professional Development Days will provide the district with highly qualified instructors to facilitate instructional technology for classroom instruction.	Other (please identify in next column, to	Principal of Technology and CIO	June (06)	2021	\$48,600

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III. Action Plan - Goal 3

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
			the right)				
Action Step 2	Professional Development	Annual Professional Development through the Lackawanna Teacher Center	Other (please identify in next column, to the right)	Principal of Technology and CIO	July (07)	2021	0
Action Step 3	Professional Development	Identify District District needs in terms of workshops needed though surveys. The best training are those that address gaps in our present system. Survey our faculty to identify their needs annually.	Other (please identify in next column, to the right)	Principal of Technology and CIO	Jan. (01)	2018	0
Action Step 4	Professional Dev	Opening Day Staff Development- Focus on Supplemental training to support district's technology initiatives.	Other (please	Principal of Technology and	Jan. (01)	2019	1,700

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 3

Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
Development		Identify in next column, to the right)	CIO			

5. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #3 from your answer to Question 1, above.

Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here.	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
Action Step 5	Identify proficient technology users who are willing to instruct educational workshops in the Lackawanna Teacher Center. Done Annually.	(No Response)	Principal of Technology and CIO	Feb. (02)	2018	0
Action Step 6	(No Response)	(No)	(No)	(No)	(No)	(No)

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 3

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here.	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
	Response)		Response)	Response)	Response)	Response)	Response)
Action Step 7	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
Action Step 8	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 4

Section III - Action Plan

Copy Goal # 4, which you listed in Section II by responding "Yes" to Question 4, and respond to all questions below.

1. Goal #4

Goal 4) Update and enhance the District's networking infrastructure that will support hardwired access, wireless access, integrated standardized VOIP communications, video, building access and security systems throughout the buildings and classrooms.

2. Select the NYSED goal that best aligns with this district goal.

4. Design, implement, and sustain a robust, secure network to ensure sufficient, reliable high-speed connectivity for learners, educators, and leaders

3. Target Student Population(s)

- | | |
|---|---|
| <input checked="" type="checkbox"/> All students | <input type="checkbox"/> Migrant students |
| <input type="checkbox"/> Pre-K-2 | <input type="checkbox"/> Homeless students |
| <input type="checkbox"/> Grades 3-5/6 | <input type="checkbox"/> Economically disadvantaged students |
| <input type="checkbox"/> Middle School | <input type="checkbox"/> Students between the ages of 18-21 |
| <input type="checkbox"/> High School | <input type="checkbox"/> Students who are targeted for dropout prevention or credit recovery programs |
| <input type="checkbox"/> Students with Disabilities | <input type="checkbox"/> Other (please identify in Question 3a, below) |
| <input type="checkbox"/> ELL/MLLs | |

4. List the action steps that correspond to Goal #4 from your answer to Question 1, above.

Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
Action Step 1	Planing Conduct district-wide information security and/or privacy audit.	Other (please identify in next column, to the right)	Principal of Technology and CIO	June (06)	2019	0

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 4

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
Action Step 2	Purchasing	Network/Access Cost:Wireless APs &POE switches(Smart Schools Investment Plan)	Other (please identify in next column, to the right)	Principal of Technology and CIO	Nov. (11)	2018	\$475,500
Action Step 3	Purchasing	Connections/Components:Network Hardware Switches (Smart Schools Investment Plan)	Other (please identify in next column, to the right)	Principal of Technology and CIO	Nov. (11)	2018	\$168,906
Action Step 4	Purchasing	Cat 6A & OM4 Fiber(Smart Schools Investment Plan)	Other (please identify in next	Principal of Technology and CIO	Nov. (11)	2018	213,920

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 4

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here. Otherwise, please write "N/A."	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
			column, to the right)				

5. This question is optional.

If more action steps are needed, continue to list the action steps that correspond to Goal #4 from your answer to Question 1, above.

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here.	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
Action Step 5	Purchasing	Approved Door Hardening Project: Prox. reader electronic classroom lockdown hardware upgrades	Business Official	(No Response)	Nov. (11)	2018	\$486,617
Action Step 6	Purchasing	Capital-Intensive Security: Network VOIP, PA notification, and security displays. (Smart Schools Investment Plan)	Business Official	(No Response)	Nov. (11)	2018	\$809,075
Action Step 7	Purchasing	Electronic Security System: District Wide IP Surveillance integrated	Business Official	(No Response)	Nov. (11)	2018	\$423,000

2018-2021 Instructional Technology Plan - 2018

III. Action Plan - Goal 4

	Action Step - Select one category.	Action Step - Description	Responsible Stakeholder. Select one.	If you selected 'Other' Responsible Stakeholder in the column to the left, please identify here.	Anticipated month of completion	Anticipated year of completion	Anticipated Cost
			ial				
Action Step 8	Purchasing	Entry Control System: Integrated Access Control	Business Office	(No Response)	Nov. (11)	2018	\$192,000

For help with completing the plan, please visit 2018-2021 ITP Resources for Districts, contact your district's RIC, or email edtech@nysed.gov.

2018-2021 Instructional Technology Plan - 2018

IV. NYSED Initiatives Alignment

Section IV - NYSED Initiatives Alignment

1. Explain how the district use of instructional technology will serve as a part of comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students.

The Lackawanna City School District is involved in strategic planning facilitated by PLC Associates Inc. Its goal is to develop a comprehensive, district-wide process for integrating the district's resources into one cohesive, comprehensive plan for academic improvement that enables all district students to meet the academic rigor and challenges of a standards-based curriculum and state-mandated assessment and graduation requirements. One priority of the LCSD strategic planning is the integration of technology into the instructional program to support and improve the quality of curriculum available to students and the instructional methods used to teach them. State and local academic improvement efforts set high standards for all students, draw on challenging content, and require engaging instructional strategies. Technology can assist in implementing district-wide and school-wide improvement plans. It can be used to individualize instruction and provide a range of learning experiences from remediation to enrichment. Technology also can provide easy access to vast local and global resources. Parental/family and community support are key to facilitating academic improvement. Schools, through technology resources and telecommunication, can make that involvement with parents/families more informed, immediate, and meaningful.

In a standards-based curriculum, teachers and students need to know how to select and use electronic resources that provide (1) core content for a given curricular area, (2) the interactive supports that adapt content to individuals' developmental and/or learning style needs, and (3) modifiable tools that allow teachers and students to adjust technology resources to meet individual learner needs and interests. Technology enables students to achieve content area standards as well as critical thinking, problem solving, communications, and collaboration skills—the tools necessary for success in education, career, and life.

Goal: All students will have access to learning technology tools and resources to master important skills and knowledge related to the New York State Learning Standards, to demonstrate the extent to which they have met those standards on New York State Assessments, and to fulfill graduation requirements. Learning technologies will develop the skills and knowledge that prepare students for further education, the workforce, and for responsible citizenship in the local community, nation and world.

Objectives:

- Coordinate instructional software across district grade levels and subject areas.
- Integrate technology into instruction.
- Integrate instructional software into instruction.
- Integrate technology into local assessment strategies and practices.

Each student, in general education and special education classroom environments, will have opportunities to use learning technologies to access and analyze information in ways that develop higher order thinking skills, increase their ability to use technology as a tool in solving problems,

and support their confident use of the technology skills they will need for success in their future study and employment.

To this end, the District plans to incorporate a standardized level of instructional technology within each school and within each classroom. The instructional technology may consist of an elmo with laptop, cart, speaker and Internet capabilities whether it be hardwired or wireless. In addition, the District plans to make available a standardized level of instructional applications with each school and within each classroom that will meet the needs of teacher evaluation, student evaluation, and be compatible with the hardware infrastructure in place. The instructional applications may consist of BOCES supported applications for literacy, mathematics, course credit acquisition, or Regents Exam preparation.

So that there is reliable digital connectivity and technology to improve teaching, the District plans to update and enhance the networking infrastructure

that will support hardwired access, wireless access, integrated standardized VOIP communications, video, building access and security systems throughout the buildings and classrooms.

2018-2021 Instructional Technology Plan - 2018

IV. NYSED Initiatives Alignment

2. Students with disabilities may be served through the use of instructional technology as well as assistive technology devices and services to ensure access to and participation in the general curriculum. Describe how instruction is differentiated using technology to support the individualized learning needs of this student group.

The District's focus is on all students. This includes students with disabilities for whom they have Committee on Preschool Special Education (CPSE)/Committee on Special Education (CSE) responsibilities.

The District is responsible for assistive technology needs of the students with disabilities served in the public school setting in both general and special education classrooms. (See Regulations of the Commissioner of Education in New York State sections 200.4(d)(2)(v)(b)(6), 200.4(d)(3)(v) and 200.4(e))

The District is also responsible for the assistive technology needs of students with disabilities placed by their parents in nonpublic (e.g. parochial,private) schools within school district boundaries in accordance with their Individualized Education Services Programs (IESPs). (See New York State Education Law section 3602-c)

Current:

- Office 365 so students who have difficulty writing can word process or use other Office tools to demonstrate learning.
- iReady diagnostic and lessons to close the reading and math gaps present with students performing below grade level
- Use of Reading A-Z and Raz Kids to differentiate learning

Future:

- Looking at Capti Voice for text to speech software.
- Looking to use Adobe Reader to record audio and embed audio into documents so students with reading difficulties can listen to teacher reading a test or an assignment.
- Use of Ed Tech tools to engage and differentiate learning(Kahoot, Nearpod, Quizizz, Quizlet)
- Use of iPads and instructional software applications such as Propel to assist learning at various levels.
- Use of assistive technology instruction and support so that students with disabilities are trained on new technology tools that could help them in the classroom/
- Use of applications such Bookshare.org or OverDrive so students reading below grade level can listen to audiobooks on grade level.

3. How does the district utilize technology to address the needs of Students with Disabilities to ensure equitable access to instruction, materials, and assessments? Check all that apply.

- Class lesson plans, materials, and assignment instructions are available to students and families for 'anytime, anywhere' access (such as through class website or learning management system).
- Direct instruction is recorded and provided for students to access asynchronously (such as through a learning management system or private online video channel).
- Technology is used to provide additional ways to access key content, such as providing videos or other visuals to supplement verbal or written instruction or content.
- Text to speech and/or speech to text software is utilized to provide increased support for comprehension of written or verbal language.
- Assistive technology is utilized.
- Technology is used to increase options for students to demonstrate knowledge and skill.
- Learning games and other interactive software are used to supplement instruction.
- Other (please identify in Question 3a, below)

2018-2021 Instructional Technology Plan - 2018

IV. NYSED Initiatives Alignment

4. Please select the professional development that will be offered to teachers of Students with Disabilities that will enable them to differentiate learning and to increase their student language and content learning with the use of technology. Check all that apply.

- Technology to support writers in the elementary classroom
- Technology to support writers in the secondary classroom
- Research, writing and technology in a digital world
- Enhancing children's vocabulary development with technology
- Reading strategies through technology for students with disabilities
- Choosing assistive technology for instructional purposes in the special education classroom
- Using technology to differentiate instruction in the special education classroom
- Using technology to increase options for students with disabilities to demonstrate their knowledge and skills
- Multiple ways of assessing student learning through technology
- Electronic communication and collaboration
- Promotion of model digital citizenship and responsibility
- Integrating technology and curriculum across core content areas
- Helping students with disabilities to connect with the world
- Other (please identify in Question 4a, below)

5. How does the district utilize technology to address the needs of English Language Learners/Multilingual Learners to ensure equitable access to instruction, materials, and assessments? Check all that apply.

- Class lesson plans, materials, and assignment instructions are available to students and families for 'anytime, anywhere' access (such as through class website or learning management system)
- Direct instruction is recorded and provided for students to access asynchronously (such as through a learning management system or private online video channel).
- Technology is used to provide additional ways to access key content, such as providing videos or other visuals to supplement verbal or written instruction or content.
- Text to speech and/or speech to text software is utilized to provide increased support for comprehension of written or verbal language.
- Home language dictionaries and translation programs are provided through technology.
- Hardware that supports ELL/MLL student learning, such as home-language keyboards, translation pens, and/or interactive whiteboards, is utilized.
- Technology is used to increase options for students to demonstrate knowledge and skill, such as through the creation of a product or recording of an oral response.
- Learning games and other interactive software are used to supplement instruction.
- Other (please identify, in Question 5a, below)

6. The district's instructional technology plan addresses the needs of English Language Learners/Multilingual learners to ensure equitable access to instruction, materials, and assessments in multiple languages.

Yes

6a. If Yes, check one.

In the 5 most spoken languages in the district

6b. If 'Other' was selected in 6a, above, please explain here.

(No Response)

2018-2021 Instructional Technology Plan - 2018

IV. NYSED Initiatives Alignment

7. **Please select the professional development that will be offered to teachers of English language learners/multilingual learners that will enable them to differentiate learning and to increase their student language and content learning with the use of technology. Check all that apply.**

- | | |
|---|---|
| <input checked="" type="checkbox"/> Technology to support writers in the elementary classroom | <input checked="" type="checkbox"/> Multiple ways of assessing student learning through technology |
| <input checked="" type="checkbox"/> Technology to support writers in the Secondary classroom | <input checked="" type="checkbox"/> Electronic communication and collaboration |
| <input checked="" type="checkbox"/> Research, writing and technology in a digital word | <input type="checkbox"/> Promotion and model digital citizenship and responsibility |
| <input type="checkbox"/> Writing and technology workshop for teachers | <input checked="" type="checkbox"/> Integrating technology and curriculum across core content areas |
| <input type="checkbox"/> Enhancing Children's Vocabulary Development with technology | <input type="checkbox"/> Web authoring tools |
| <input type="checkbox"/> Writer's workshop in the Bilingual classroom | <input type="checkbox"/> Helping students connect with the world |
| <input checked="" type="checkbox"/> Reading strategies for English Language Learners | <input checked="" type="checkbox"/> The interactive whiteboard and language learning |
| <input type="checkbox"/> Moving from learning letters to learning to read | <input type="checkbox"/> Use camera for documentation |
| <input type="checkbox"/> The power of technology to support language acquisition | <input type="checkbox"/> Other (please identify in Question 7a, below) |
| <input checked="" type="checkbox"/> Using technology to differentiate instruction in the language classroom | |

8. **How does the district use instructional technology to facilitate culturally-responsive instruction and learning environments?**

- The district uses instructional technology to strengthen relationships and connections with families to assist in building a culturally responsive learning environment to enhance student learning.
- The district uses instructional technology to facilitate classroom projects that involve the community.
- The district uses instructional technology to develop and organize coherent and relevant units, lessons, and learning tasks that build upon students' cultural backgrounds and experiences.
- The district uses instructional technology to assist in varying teaching approaches to accommodate diverse learning styles and language proficiencies.
- The district uses instructional technology to enable students to communicate and collaborate with students in different schools or districts in New York State, the United States, or with different countries.
- The district uses instructional technology to facilitate collaborative classroom projects among heterogeneous student groups.
- The district does not use instructional technology to facilitate culturally responsive instruction.
- Other (please identify in Question 8a, below)

For help with completing the plan, please visit 2018-2021 ITP Resources for Districts, contact your district's RIC, or email edtech@nysed.gov.

2018-2021 Instructional Technology Plan - 2018

V. Administrative Management Plan

Section V - Administrative Management Plan

1. Staff Plan

	Full-time Equivalent (FTE)
District Technology Leadership	1.00
Instructional support	0.00
Technical Support	1.20
Totals:	2.20

2. Investment Plan

	Anticipated Item or Service. Select one per row.	If you chose 'Other' Anticipated Item or Service in the column to the left, please identify here. Otherwise, please write "N/A."	Estimated Cost	Is Cost One-time, Annual, or Both?	Potential Funding Source. May check more than one source per item.	If you chose 'Other' Potential Funding Source in the column to the left, please identify here. Otherwise, please write "N/A."
1	Internet Connectivity	N/A	2,769,018	One-Time	<input type="checkbox"/> BOCES Co-Ser purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input checked="" type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Materials Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other (please identify in next column, to the right) <input type="checkbox"/> N/A	N/A
2	End User Computing Devices	N/A	75,000	Annual	<input type="checkbox"/> BOCES Co-Ser purchase <input checked="" type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Materials Aid <input type="checkbox"/> Instructional Resources Aid <input type="checkbox"/> Smart Schools	N/A

2018-2021 Instructional Technology Plan - 2018

V. Administrative Management Plan

	Anticipated Item or Service. Select one per row.	If you chose 'Other' Anticipated Item or Service in the column to the left, please identify here. Otherwise, please write "N/A."	Estimated Cost	Is Cost One-time, Annual, or Both?	Potential Funding Source. May check more than one source per item.	If you chose 'Other' Potential Funding Source in the column to the left, please identify here. Otherwise, please write "N/A."
					<input type="checkbox"/> Bond Act <input type="checkbox"/> Other (please identify in next column, to the right) <input type="checkbox"/> N/A	
3	Instructional and Administrative Software	N/A	316,100	Both	<input type="checkbox"/> BOCES Co-Ser purchase <input checked="" type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Materials Aid <input type="checkbox"/> Instructional Resources Aid <input type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other (please identify in next column, to the right) <input type="checkbox"/> N/A	N/A
4	Professional Development	N/A	50,300	Both	<input checked="" type="checkbox"/> BOCES Co-Ser purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Materials Aid <input type="checkbox"/> Instructional Resources Aid <input type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other (please identify in next column, to the right) <input type="checkbox"/> N/A	N/A
Totals:			3,210,418			

2018-2021 Instructional Technology Plan - 2018

V. Administrative Management Plan

3. Has the school district provided for the loan of instructional computer hardware to students legally attending nonpublic schools pursuant to Education Law, section 754?

Yes

4. Please indicate whether or not the district has a public website.

The district has a public website.

- 4a. Provide the URL of the district's public website.

<http://www.lackawannaschools.org>

5. Please indicate whether or not the district has assigned a specific person with responsibility for Information Security.

Yes

- 5a.

If 'Yes' was selected in Question 5 above, please identify the responsible person's title.

Principal of Technology and CIO

6. Please indicate whether or not the district has assigned a specific person with responsibility for Information Privacy.

Yes

- 6a. If 'Yes' was selected in Question 6 above, please identify the responsible person's title.

Principal of Technology and CIO

7. Has a district-wide information security and/or privacy audit ever been performed in the district?

No

8. Does the school district provide for educating minors about appropriate online behavior, including interacting with other individuals on social networking websites and in chat rooms?

Yes

9. Does the school district provide for educating minors about cyberbullying awareness and response?

Yes

10. Does the district have an Internet Safety Policy?

Yes, and I will upload the policy.

- 10a. Please upload the district's Internet Safety Policy.

The Children's Internet Protection Act- Internet Content Filtering-Safety Policy Lackawanna CSD.pdf

11. Does the district have a Cyberbullying Policy?

Yes, and I will upload the policy.

- 11a. Please upload the district's Cyberbullying Policy.

Bullying Policy1.pdf

Internet Cyberbullying District Wide Code of Conduct.pdf

12. Does the district have a Parents' Bill of Rights for Data Privacy and Security?

Yes, the district does have a Parents' Bill of Rights for Data Privacy and Security, but it is not posted online. I will upload it.

- 12c. Please upload the district's Parents' Bill of Rights for Data Privacy and Security.

LA Parents Bill of Rights Data Security.doc

2018-2021 Instructional Technology Plan - 2018

V. Administrative Management Plan

12d. What year was the Parents' Bill of Rights for Data Privacy and Security policy first made available to the public?

2019

13. Does the district have an information breach policy that addresses the district's planned response to an information breach?

Yes, and I will upload the policy.

13a. Please upload the policy that addresses the district's planned response to an information breach.

Information Security Breach an Notification-Lackawanna Policy 5627.pdf

14. Provide a direct link to the district's technology plan as posted on the district's website.

http://www.lackawannaschools.org/cms/lib/NY19000337/Centricity/Domain/45/Instructional_Technology_Plan_2016-2017.pdf

For help with completing the plan, please visit 2018-2021 ITP Resources for Districts, contact your district's RIC, or email edtech@nysed.gov.

2018-2021 Instructional Technology Plan - 2018

VI - Sharing Innovative Educational Technology Programs

Sharing Innovative Educational Technology Programs

1. Please choose one or more topics that reflect an innovative educational technology program that has been implemented for at least two years at a building or district level. Use 'Other' to share a category that is not on the list.

- | | |
|--|---|
| <input type="checkbox"/> Active Learning Spaces/Makerspaces | <input type="checkbox"/> Policy, Planning, and Leadership |
| <input type="checkbox"/> Culturally Responsive Instruction with Technology | <input type="checkbox"/> Privacy and Security |
| <input type="checkbox"/> Device Planning and Implementation (1:1; BYOD) | <input type="checkbox"/> Professional Learning |
| <input type="checkbox"/> Digital Citizenship | <input type="checkbox"/> Project-based Learning |
| <input type="checkbox"/> Infrastructure | <input type="checkbox"/> Other Topic A |
| <input type="checkbox"/> OER and Digital Curriculum | <input type="checkbox"/> Other Topic B |
| <input type="checkbox"/> Personalized Learning | <input type="checkbox"/> Other Topic C |
| <input type="checkbox"/> Pilots and Proof of Concept | |

2. Provide the name, title, and e-mail of the person to be contacted in order to obtain more information about the innovative program(s) at your district.

	Name of Contact person	Title	E-mail address	Innovative Programs. Check all that apply.
Please complete all columns.	(No Response)	(No Response)	(No Response)	<input type="checkbox"/> Active Learning Spaces/Makerspaces <input type="checkbox"/> Culturally Responsive Instruction with Technology <input type="checkbox"/> Device Planning and Implementation (1:1, BYOD) <input type="checkbox"/> Digital Citizenship <input type="checkbox"/> Infrastructure <input type="checkbox"/> OER and Digital Curriculum <input type="checkbox"/> Personalized Learning <input type="checkbox"/> Pilots and Proof of Concept <input type="checkbox"/> Policy, Planning, and Leadership <input type="checkbox"/> Privacy and Security <input type="checkbox"/> Professional Learning <input type="checkbox"/> Project-based Learning <input type="checkbox"/> Other Topic A <input type="checkbox"/> Other Topic B <input type="checkbox"/> Other Topic C

3. If you want to list multiple contact points for the innovative programs above, please provide the names, titles, and e-mail addresses of the people to be contacted in order to obtain more information about the innovative program(s) at your district.

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VI - Sharing Innovative Educational Technology Programs

	Name of Contact person	Title	E-mail address	Innovative Programs. Check all that apply for each contact name.
Please complete all columns	(No Response)	(No Response)	(No Response)	<input type="checkbox"/> Active Learning Spaces/Makers paces <input type="checkbox"/> Culturally Responsive Instruction with Technology <input type="checkbox"/> Device Planning and Implementation (1:1, BYOD) <input type="checkbox"/> Digital Citizenship <input type="checkbox"/> Infrastructure <input type="checkbox"/> OER and Digital Curriculum <input type="checkbox"/> Personalized Learning <input type="checkbox"/> Pilots and Proof of Concept <input type="checkbox"/> Policy, Planning, and Leadership <input type="checkbox"/> Privacy and Security <input type="checkbox"/> Professional Learning <input type="checkbox"/> Project-based Learning <input type="checkbox"/> Other Topic A <input type="checkbox"/> Other Topic B <input type="checkbox"/> Other Topic C
Please complete all columns	(No Response)	(No Response)	(No Response)	<input type="checkbox"/> Active Learning Spaces/Makers paces <input type="checkbox"/> Culturally Responsive Instruction with Technology <input type="checkbox"/> Device Planning and Implementation (1:1, BYOD) <input type="checkbox"/> Digital Citizenship <input type="checkbox"/> Infrastructure <input type="checkbox"/> OER and Digital Curriculum <input type="checkbox"/> Personalized Learning

2018-2021 Instructional Technology Plan - 2018

VI - Sharing Innovative Educational Technology Programs

	Name of Contact person	Title	E-mail address	Innovative Programs. Check all that apply for each contact name.
				<input type="checkbox"/> Pilots and Proof of Concept <input type="checkbox"/> Policy, Planning, and Leadership <input type="checkbox"/> Privacy and Security <input type="checkbox"/> Professional Learning <input type="checkbox"/> Project-based Learning <input type="checkbox"/> Other Topic A <input type="checkbox"/> Other Topic B <input type="checkbox"/> Other Topic C
Please complete all columns	(No Response)	(No Response)	(No Response)	<input type="checkbox"/> Active Learning Spaces/Makers paces <input type="checkbox"/> Culturally Responsive Instruction with Technology <input type="checkbox"/> Device Planning and Implementation (1:1, BYOD) <input type="checkbox"/> Digital Citizenship <input type="checkbox"/> Infrastructure <input type="checkbox"/> OER and Digital Curriculum <input type="checkbox"/> Personalized Learning <input type="checkbox"/> Pilots and Proof of Concept <input type="checkbox"/> Policy, Planning, and Leadership <input type="checkbox"/> Privacy and Security <input type="checkbox"/> Professional Learning <input type="checkbox"/> Project-based Learning <input type="checkbox"/> Other Topic A <input type="checkbox"/> Other Topic B <input type="checkbox"/> Other Topic C
Please complete all columns	(No Response)	(No Response)	(No Response)	<input type="checkbox"/> Active Learning Spaces/Makers paces <input type="checkbox"/> Culturally Responsive

2018-2021 Instructional Technology Plan - 2018

VI - Sharing Innovative Educational Technology Programs

	Name of Contact person	Title	E-mail address	Innovative Programs. Check all that apply for each contact name.
				Instruction with Technology <input type="checkbox"/> Device Planning and Implementation (1:1, BYOD) <input type="checkbox"/> Digital Citizenship <input type="checkbox"/> Infrastructure <input type="checkbox"/> OER and Digital Curriculum <input type="checkbox"/> Personalized Learning <input type="checkbox"/> Pilots and Proof of Concept <input type="checkbox"/> Policy, Planning, and Leadership <input type="checkbox"/> Privacy and Security <input type="checkbox"/> Professional Learning <input type="checkbox"/> Project-based Learning <input type="checkbox"/> Other Topic A <input type="checkbox"/> Other Topic B <input type="checkbox"/> Other Topic C
Please complete all columns	(No Response)	(No Response)	(No Response)	<input type="checkbox"/> Active Learning Spaces/Makers paces <input type="checkbox"/> Culturally Responsive Instruction with Technology <input type="checkbox"/> Device Planning and Implementation (1:1, BYOD) <input type="checkbox"/> Digital Citizenship <input type="checkbox"/> Infrastructure <input type="checkbox"/> OER and Digital Curriculum <input type="checkbox"/> Personalized Learning <input type="checkbox"/> Pilots and Proof of Concept <input type="checkbox"/> Policy, Planning, and Leadership <input type="checkbox"/> Privacy and

2018-2021 Instructional Technology Plan - 2018

VI - Sharing Innovative Educational Technology Programs

	Name of Contact person	Title	E-mail address	Innovative Programs. Check all that apply for each contact name.
				Security <input type="checkbox"/> Professional Learning <input type="checkbox"/> Project-based Learning <input type="checkbox"/> Other Topic A <input type="checkbox"/> Other Topic B <input type="checkbox"/> Other Topic C

For help with completing the plan, please visit 2018-2021 ITP Resources for Districts, contact your district's RIC, or email edtech@nysed.gov.