



Barker Central School District
Instructional Technology Plan
2026-2029



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Strategic Technology Planning

NYSED Vision for District Instructional Technology Plans

District Instructional Technology Plans, required by Commissioner's Regulation 100.12, will support the mission of the NYS Board of Regents, which is to ensure that every child has equitable access to the highest quality educational opportunities, services and supports in schools that provide effective instruction aligned to the state's standards, as well as positive learning environments so that each child is prepared for success in college, career, and citizenship.

District Mission & Vision

Mission:

Barker CSD will provide a school environment that fosters respect, compassion, tolerance, and nurtures life-long learners who make meaningful contributions to society.

Vision:

Barker CSD will be a leader in bringing out the best in each individual in our community.

Foundational Values:

1. Accomplishment: A commitment to achieving and realizing goals/objectives.
2. Accountability: Ensuring responsibility and liability for self and others.
3. Communication: A commitment to the open and effective exchange of information.
4. Community: A concern for positively impacting the world around you through the building of relationships.
5. Compassion: Taking into account the feelings and needs of others.
6. Family: A belief that the health, fulfillment and kinship of family members is essential to sustenance, satisfaction, stability, and/or legacy.
7. Honesty: A commitment to factual and objective straightforwardness.

Technology Vision:

To provide a safe, equitable, innovative, rigorous, ethical and engaging learning environment to promote academic excellence through strategic implementation of technology resources and partnerships. This would prepare students to be safe, successful, and productive citizens in a globally connected, technologically complex, and everchanging digital society.

Planning Process:

In the fall and winter of the 2025-2026 school year, Barker CSD convened a committee of teachers, and other stakeholder representatives to develop a new technology plan for the district. The group met every few weeks to discuss our vision and goals for the next three years with regard to technology. Updates to other faculty and staff groups, and individuals were shared by members of the technology committee.

Goal Attainment:

In this section, the district was asked to outline the extent to which we have achieved, at the local level, goals put forth in the 2010 Statewide Learning Technology Plan.

1. Digital Content- The district uses standards-based, accessible digital content that supports all curricula for all learners.
2. Digital Use- The district's learners, teachers, and administrators are proficient in the use of technology for learning.
3. Digital Capacity & Access- The district's technology infrastructure supports learning and teaching in all of the district's environments.
4. Leadership- The district's technology plan is aligned with the Statewide technology plan.
5. Accountability- District-level information is posted on the District website, is easy to access, and is easily understood. Information provided includes the results achieved by the District in their efforts to enable students to build knowledge, master skills, and grasp opportunities for a better life.

On all of these metrics the technology committee rated the district as Moderately on a four-level rubric, with the exception of #2 Digital Use which was rated Significantly.

District Technology Goals & Action Plans:

Goal 1: Learning

Design and utilize active learning spaces to accommodate all learners & provide experiences that will facilitate and extend personalized learning opportunities, abilities and productivity in our globally connected society.

Action Step #	Action Step Category	Action Step Description	Responsible Stakeholder	Date to be completed
1	Curriculum	BCS staff will provide relevant instruction in software programs to students that enhance the district's curriculum and instruction on a continual basis. Outside resources such as BOCES and/or technology vendors will supplement this instruction.	Instructional Staff Administration	Ongoing (2026-2029)
2	Research	Provide effective, research-based instruction to all students.	Instructional Staff Administration	Ongoing (2026-2029)
3	Learning Spaces	Utilize newly created spaces such as the STEM area and technology rooms to provide opportunities for personalized learning experiences for all students.	Instructional Staff Administration	2026-27 and then ongoing
4	Implementation	BCS staff will provide relevant instruction in software programs to students that enhance the district's curriculum and instruction on a continual basis. Outside resources such as BOCES and/or technology vendors will supplement this instruction.	Instructional Staff Administration	Ongoing (2026-2029)
5	Cybersecurity	Infuse digital citizenship concepts, skills and resources	Instructional Staff	Ongoing (2026-2029)

		into curriculum for all students.	Administration	
6	Community	Provide access to resources, training and information to parents & community.	Instructional Staff Administration	Ongoing (2026-2029)
7	Implementation	Maintain 1:1 access for all students. Students in grades 3 and higher have the flexibility to take devices to and from school.	Instructional Staff Administration	Ongoing (2026-2029)

Goal 2: Teaching

Educators will receive support to effectively integrate technology into an established content curriculum to meet the needs of all learners.

Action Step #	Action Step Category	Action Step Description	Responsible Stakeholder	Date to be completed
1	Professional Development	The Barker CSD Instructional Cabinet will determine what specific professional development will be offered. Sessions that focus on the programs and software that the district currently utilizes will be prioritized. Professional development will increase teacher capacity and comfort level with those programs to in turn facilitate the student's use of those programs.	Director of Curriculum, CSLO E1B Trainers, ON BOCES Trainers, Professional Trainers	Ongoing (2026-2029)
2	Budgeting	Utilize budgetary resources to provide technology related professional development to faculty and staff on an annual basis.	Administration (Business Administrator, Director of Curriculum)	Ongoing (2026-2029)
3	Communication	Facilitate and model integration strategies for instructional technologies in all learning environments. (Ex. Recommit to the SAMR Model)	Director of Curriculum, CSLO E1B Trainers, ON BOCES Trainers,	Ongoing (2026-2029)

			Professional Trainers	
4	Collaboration	Provide common planning time for teachers to design lessons, practice strategies and explore technology systems, tools and resources. (Ex. Recommit to the SAMR Model)	Director of Curriculum, CSLO E1B Trainers, ON BOCES Trainers, Professional Trainers	Ongoing (2026-2029)
5	Evaluation	Measure with teacher evaluation on 2e of Danielson rubric. Incorporate into the new STEPS evaluation tool. Utilize student performance data.	Administration Instructional Staff	Ongoing (2026-2029)
6	Staffing	Utilize existing staffing and other budgetary resources to provide instruction in STEM related education at the elementary level.	Administration	2026-2029

SAMR Model for Technology Integration: The SAMR Model for Technology Integration redefines lessons and activities, allowing students the opportunity to take ownership of their learning and prove their understanding of the content. The SAMR Model will be integrated into professional development workshops for teachers and be used to enhance and transform instructional strategies.

S- SUBSTITUTION: Technology acts as a direct tool substitute, with no functional change.

A- AUGMENTATION: Technology acts as a direct tool substitute, with functional improvement.

M- MODIFICATION: Technology allows for significant task redesign.

R- REDEFINITION: Technology allows for the creation of new tasks, previously inconceivable.

Reintroduce this model on upcoming professional development days (26-27). Incorporate use into the new teacher evaluation process (STEPS).

Goal 3: Infrastructure

All stakeholders will have access to reliable and sustainable technology resources that provide anytime, anywhere access to facilitate teaching and learning goals.

Action Step #	Action Step Category	Action Step Description	Responsible Stakeholder	Date to be completed
1	Policy/Protocols	Maintain all relevant data policies and procedures throughout the district. Ex. AUP, Student Code of Conduct, AI, etc.	Administration Technology Committee	Ongoing (2026-2029)
2	Sustainability	Develop and maintain systematic and sustainable plans for maintenance and replacement cycles for facilities, equipment, instructional materials and other vital district technology assets.	Administration Technology Committee	2026-2027 and then Ongoing
3	Implementation	Within budgetary constraints/parameters, provide access to technology resources for all teaching and learning stakeholders.	Administration Technology Committee	Ongoing (2026-2029)
4	Data Privacy	Maintain data privacy, security, and recovery solutions through our ongoing relationship with Erie 1 BOCES technology services.	Administration	Ongoing (2026-2029)

IV. Replacement Cycle Plan for Technology:

Barker intends to purchase new Chromebooks for every student in 5th and 9th grade on an annual basis. This would result in about 100 devices being purchased each year at a total cost

of \$35,000. This purchase would come through BOCES and the district would receive aid on this cost.

Barker intends to purchase new Clear Touch boards on an annual basis. These devices last between 7-10 years, so we are looking at buying 7-10 new boards per year at a total cost of \$45,000. This purchase would come through BOCES and the district would receive aid on this cost.

Barker will budget for the replacement of 7-10 teacher workstations per year. This will be a total cost of \$6,500. This purchase would come through BOCES and the district would receive aid on this cost.

With regard to printers, the district intends to reduce the overall number of printers within the district. Printing would be done by grade level/department and physical wing of the buildings. Replacing regular and color printers would happen on an annual basis at a rough cost of \$3,500 to replace 5 regular & 5 color printers each year.

Barker also plans to utilize federal funds (E-rate money) to maintain various infrastructure items such as wireless access points and server closet maintenance.

Instructional Software used by Barker CSD:

Examgem

XtraMath

Budget Challenge

TI-84 Plus Calculator App

Planbook.com

Delta Math Solutions

Type To Learn

ToonBoom

Noodlebib

SIRS Issues Researcher+Discovery

GoVenture Entrepreneur

Learning A-Z

IXL

Flocabulary

Kami

SeeSaw

Nearpod

Fastbridge

BrainPop

Castle Learning

APEX Credit Recovery

ClassLink

Hardware Numbers as of May 2026

64 Clear Touch boards

639 Student Chromebooks

85 Teacher Workstations

90 Black & White Printers

16 Color Printers