

Wilson Area School District
Technology Plan
2022-2025

INTRODUCTION

The following plan provides strategic direction and establishes specific action steps related to how instructional technology will benefit teaching and learning in the Wilson Area School District over the next three years.

The Three-Year Strategic Instructional Technology Plan is a blueprint for district technology efforts. The District's mission and vision shaped the development of the Wilson Area School District Technology Plan:

MISSION STATEMENT

ENTER TO LEARNWilson Area School District will provide safe environments and a variety of learning experiences that embrace diversity and allow all students to achieve to their fullest potential as responsible and productive citizens, who become life-long learners. The District and community will work together in partnership to prepare our students for tomorrow's challenges so that they may.....GO FORTH TO SERVE

VISION STATEMENT

We envision for the Wilson Area School District to be comprised of outstanding student-centered schools which provide a variety of practical and educational learning experiences that will inspire, challenge, and equip all students to reach their fullest potential. Our students will embrace diversity and become critical thinkers, quality collaborators, problem solvers, effective communicators, and 21st-century learners. To this end, students will become lifelong learners who embody the W.A.R.R.I.O.R. values. Our graduates will be responsible and productive citizens with a passion for excellence in a competitive global society.

The Three-Year Strategic Instructional Technology Plan is based on the six goals that align with the vision, mission, and maximizing digital learning opportunities that prepare students for college, career, and citizenship. These goals are:

1. Personalized Learning
2. Infrastructure, Data, and Privacy
3. Instructional Resources
4. Personalized Professional Learning
5. Digital Literacy Curriculum
6. Technology Support

The District extends its gratitude to the Wilson Area School District Technology Leadership Team who led the completion of the Three-Year Strategic Technology Plan that follows:

WILSON AREA SCHOOL DISTRICT TECHNOLOGY LEADERSHIP TEAM

Mr. Garry Musselman, WASD Director of Technology
Dr. Alexandra Mindler, K-12 Warrior Academy Coordinator
Mrs. Amy Austin, Wilson Borough Elementary School Principal
Mr. Michael Chromey, Avona Elementary Principal
Mr. Ian Bietler, Wilson Area High School Assistant Principal
Ms. Katie Pietrouchie, Wilson Area Intermediate School Assistant Principal
Dr. David Wright, Wilson Area School District Assistant Superintendent
Mr. Douglas Wagner, Wilson Area School District Superintendent

In addition, we are thankful for the Wilson Area School District Board of Education and building-level technology committees, which provided feedback on the document.

BUILDING-LEVEL TECHNOLOGY COMMITTEE MEMBERS

Mrs. Bethayn Tarsi, Wilson Area High School Teacher
Mr. Tyler Graffius, Wilson Area High School Teacher
Mrs. Kimberly Kauffman, Wilson Area High School Teacher
Mr. Nicholas Woodward, Wilson Borough Elementary School Teacher
Mrs. Kylie Lerch, Wilson Borough Elementary School Teacher
Mr. Russell Steger, Wilson Borough Elementary School Teacher
Ms. Samantha Strickler, Williams Township Elementary School Teacher
Mrs. Amy Carlin, Williams Township Elementary School Teacher
Mrs. Lisa Herman, Williams Township Elementary School Teacher
Mrs. Rayanne Parry, Williams Township Elementary School Teacher
Mr. Michael Greene, Avona Elementary School Teacher
Mrs. Gwendolyn Rose-Weidner, Avona Elementary School Teacher
Mrs. Gail Gagner, Wilson Area Intermediate School Teacher
Mrs. Amy Hertzog, Wilson Area Intermediate School Teacher
Mrs. Susan Austin, Wilson Area Intermediate School Teacher

GOALS AND ACTION PLAN

GOAL # 1: Personalized Learning – Customize learning for each student’s strengths, needs, skills, interests, and aspirations.

Action Plan

Year 1 (2022-2023): Use digital resources to:

- Assess (pre/post) student understanding
- Provide background knowledge for a diverse student body
- Deliver instruction through multiple forms of media
- Practice independent work skills
- Automate basic skills practice
- Explore career pathways
- Train faculty in effective data analysis and creation of differentiated learning pathways

Person/s Responsible:

- K-12 Classroom Teachers
- K-4 RtII Coordinator and Reading Specialists
- K-5 Career Media Arts Teachers
- 6-12 Computer Arts and Related Teachers
- Department Chairs, Team Leaders
- Building-Level Tech Leaders
- Building Administrators
- New Administrative Position

Year 2 (2023-2024): Use digital resources to:

- Differentiate instruction, practice, and assessments
- Gather and use immediate feedback on students’ understanding
- Measure growth patterns within a cohort of students
- Design and structure career pathways

Person/s Responsible:

- K-12 Classroom Teachers
- K-4 RtII Coordinator and Reading Specialists
- K-5 Career Media Arts Teachers
- 6-12 Computer Arts and Related Teachers
- Department Chairs, Team Leaders
- Building-Level Tech Leaders
- Building Administrators
- New Administrative Position

Year 3 (2024-2025): Use digital resources to:

- Create Community partnerships and authentic learning opportunities
- Offer opportunities for alternative course options
- Offer opportunities for contextualized skill practice in relation to a career pathway

Person/s Responsible:

- Partners in Education Director
- Assistant Superintendent
- Building Administrators
- CIT Director
- Building-Level Tech Leaders
- New Administrative Position

GOAL #2: Infrastructure, Data, and Privacy – Ensure that critical district systems are brought up to date and maintained to ensure those district operations remain accessible, operational, and secure.

Action Plan

Year 1 (2022-2023): Perform a network switch upgrade :

- Analyze, review and assess District network infrastructure
- Work with vendors to develop an optimal upgrade path that supports instructional needs
- Participate in E-rate category two program to aid in the project’s funding.

Person/s Responsible:

- Technology Department
- Vendors

Year 2 (2023-2024): Perform telephone system upgrade:

- Analyze, review and assess District telephone systems
- Work with vendors to develop an optimal upgrade path that supports optimal District-wide communication needs

Person/s Responsible:

- Technology Department
- Vendors
- Administration
- End Users

Year 3 (2024-2025): Perform security camera system upgrade:

- Analyze, review, and assess District security camera systems
- Work with vendors to develop an optimal upgrade path that supports District needs for video surveillance

Person/s Responsible:

- Technology Department
- Vendors
- Security/SRO
- Administration

GOAL #3: Instructional Resources – Enhance learning experiences through the use of technological teaching and learning materials

Action Plan

Year 1 (2022-2023): Analyze current instructional resources and their effectiveness in grades K-12 and create a plan to support teachers and students in their use of the resources:

- List all resources by grade/subject
- Survey use of resources
- Determine which resources are no longer used and which we should continue using to provide authentic learning experiences
- Determine training needed to match personalized learning goals and programs to pilot

Person/s Responsible:

- Assistant Superintendent
- New Administrative Position
- Building Administrators
- Technology Coordinator
- Building-Level Tech Leaders
- K-12 teachers

Year 2 (2023-2024): Implement training on instructional resources:

- Provide personalized learning opportunities throughout the school year based on teacher needs indicated on the survey

Person/s Responsible:

- Personalized, Professional Development Committee (District Admin, Building Admin, teachers)
- Assistant Superintendent
- New Administrative Position
- Technology Coordinator
- Building-Level Tech Leaders
- Trainers

Year 3 (2024-2025): Evaluate teacher use of instructional resources in authentic learning experiences and provide continued training and support as needed

Person/s Responsible:

- New Administrative Position
- Building Administrators
- Technology Coordinator
- Building-Level Tech Leaders
- K-12 Teachers
- Trainers

GOAL #4: Personalized Professional Learning – Embrace each teacher’s unique set of experiences, skills, interests, and abilities by providing individualized professional learning opportunities.

Action Plan

Year 1 (2022-2023):

- Identify members in committee
- Research and create a Personalized, Professional Development District Plan that includes the following:
 - Build awareness of personalized, professional development
 - Encourage educator buy-in
 - Provide district support
 - Personalized, professional development approval process
 - Incentive and Recognition Plan
 - Sustain and expand personalized, professional development through incentives and recognitions

Person/s Responsible:

- Assistant Superintendent
- New Administrative Position
- Building Administrators
- Technology Coordinator
- K-12 Teachers

Year 2 (2023-2024): Implement personalized, professional development opportunities with a pilot cohort of professional staff:

- Cohort to represent professional staff from K-4, 5-8, 9-12, and specialists (Pilot cohort of 5-8)
- Creation of PLC to support the cohort
- Provide leadership opportunities for cohort to share/lead after the completion of personalized, professional development
- Provide personalized learning opportunities throughout the school year based on teacher needs indicated on the survey

Person/s Responsible:

- Assistant Superintendent
- Building Administrators
- Pilot Cohort teachers
- New Administrative Position

Year 3 (2024-2025):

- Implement personalized learning/professional development opportunities with all professional staff.
 - District-targeted needs: Equity, 21st Century Learning, 4 C’s, blended learning, etc...
 - Drive plan through the leadership of pilot cohort
- Motivate/recognize/reward professional staff for completing evidence-based, personalized learning.
 - District incentives and recognitions

Person/s Responsible:

- Assistant Superintendent
- Building Administrators
- Pilot Cohort teachers
- New Administrative Position
- Teacher Volunteers

GOAL #5: Digital Literacy – Provide a K-12 curriculum that teaches students to analyze, prioritize, and authenticate digital information while safely navigating social connections.

Action Plan

Year 1 (2022-2023):

- Analyze the current digital literacy curriculum at each level.
 - Determine if the curriculum is taught at the appropriate level (K-5, 6-12) and within the relevant content areas.
- Determine if the curriculum is current with the demands of the digital environment
 - Research what the future demands and post-high school expectations are to ensure that the curriculum can meet the demand of our graduates.
 - If needed, update software and hardware to meet the demands of tomorrow's graduates.

Person/s Responsible:

- K-12 Teachers, Department Chairs and Team Leaders
- Assistant Superintendent
- Technology Coordinator
- New Administrative Position
- Community Partners
- NCC, CIT, Local Businesses

Year 2 (2023-2024):

- Adjust and write a new curriculum from the analysis in 2022-2023
- Align the curriculum to match the Personal Professional Learning and Personal learning data

Person/s Responsible:

- K-12 Teachers, Department Chairs and Team Leaders
- Assistant Superintendent
- Building Administrators
- New Administrative Position

Year 3 (2024-2025):

- Train current personnel in ever changing 21st century digital literacy environment
- Hire or train personnel for higher level computer literacy needs
 - Example: High School Coding, Computer Programming
- If needed, update technology labs (hardware/software) to teach 21st-century skills.

Person/s Responsible:

- Technology Coordinator
- Building Administrators
- Technology Teachers
- New Administrative Position

GOAL #6: Technology Support – Revise existing staff members’ roles and responsibilities, provide additional training, hire staff to support teaching and learning, and assist in diagnosing, repairing, and maintaining hardware and software components.

Action Plan

Year 1 (2022-2023):

- Assess what is needed for the IT department to be fully staffed to support its support areas. Identify practices, processes, and personnel that can be streamlined and funds reappropriated to support change.
- Determine the current support system (help tickets), investigate if another process would meet the needs of the staff or technology issues.
- Adopt a shared leadership and staffing model, enabling the department to expand the district’s offerings.
- Redefine AV Coordinator positions
- Identify support needed for the Online Warrior Academy.
- Identify support and training needed for further integration of instructional technology.

Person/s Responsible:

- Technology Department
- Building-Level Technology committees
- Administrative Technology Committee

Year 2 (2023-2024): Hire, reassign, and train staff

Person/s Responsible:

- Administration
- District Technology Committee
- District Finance Committee
- Board of Education

Year 3 (2024-2025): Implement new practices and processes identified in year 1

Person/s Responsible:

- Administration
- District Technology Department

CONCLUSION

The Wilson Area School District Educational Technology Plan outlines our vision of where the District would like to be at the end of the three years (June 30, 2025). This plan outlines the District’s path to increase student and teacher use of technology, expand technology support, provide robust professional development for teachers and administrators, and improve infrastructure and security. Changes in enrollment, funding, and education legislation, as well as advancements in technology, could alter this plan. The District’s Technology Leadership Team will meet three times annually to monitor progress on the action plans benchmarks to ensure that the measures are met. The Excellence in Education Committee will also come together annually to evaluate the goals and modify them for the following year, if necessary.