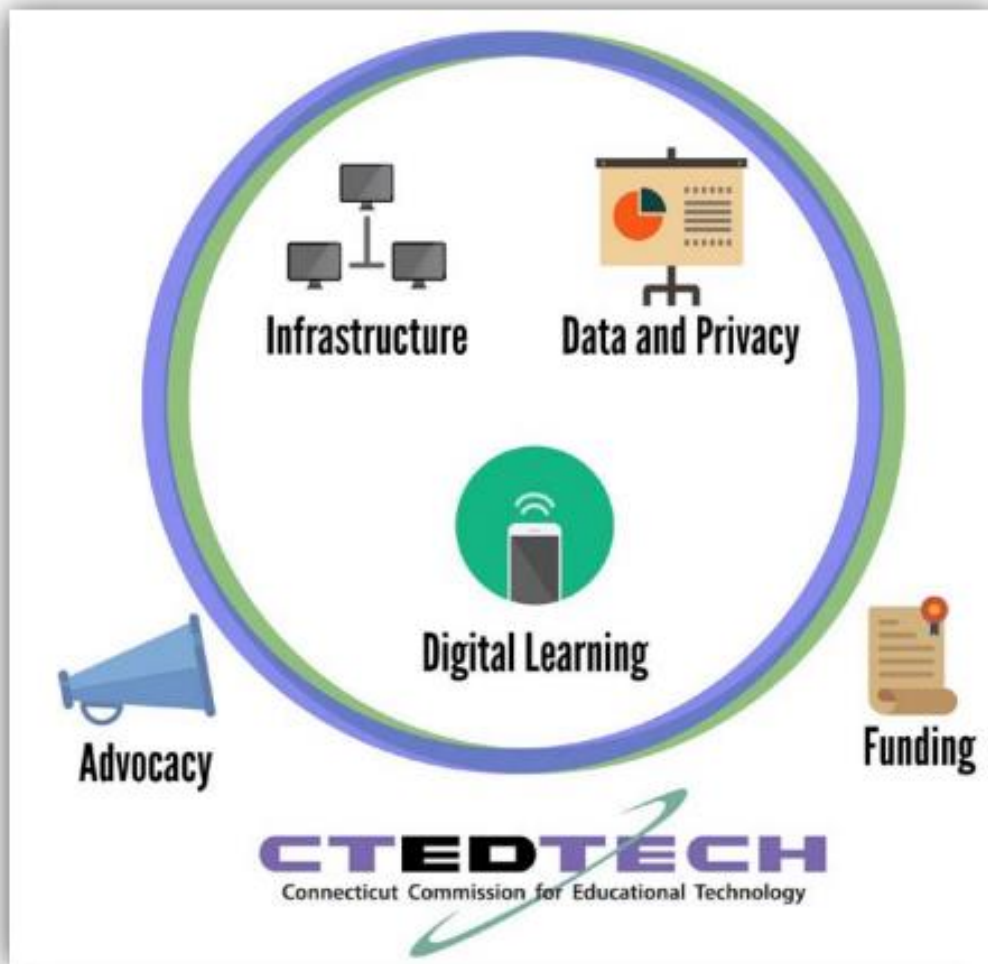Amity Regional District #5
Bethany-Orange-Woodbridge

Educational Technology Plan

July 1, 2022 through June 30, 2025

The aim of 21st century education is learning – creative, powerful, personal, and open-ended in our lives. Technology should be ever-present yet almost invisible (seamless), empowering our staff and students to think, create, communicate, collaborate – locally and globally – and learn most effectively in a one-to-one environment.

Goal 1: Digital Learning

State Technology Plan
Goal: Statewide Digital Learning goals include the support of effective teaching and learning for students of all ages and abilities, across a range of effective environments and instructional frameworks (pedagogies). The work of the Commission and its network of partners will also support best practices in technology-enabled learning by defining and supporting the application of standards for students, teachers, and educational leaders. Translating standards and frameworks into applied practice in the area of digital and media literacy continues to be an ongoing objective. Equity of access remains a common goal across all Commission activities, whether in the form of making high-quality educational materials available to all teachers and students, supporting computer science education, or helping to ensure training for teachers to integrate technology effectively in support of engaging instruction. The Commission also strives to provide educational technology professionals with best practices in policy, governance, and operational efficiencies, with close alignment to national and international platforms such as the U.S. Department of Education's Future-Ready framework.
Future Ready Schools Framework
Curriculum, Instruction, And Assessment: In a Future Ready district, curriculum, instruction, and assessment are tightly aligned, redesigned to engage students in 21st Century, personalized, technology-enabled, deeper learning. Curricula and instruction are standards-aligned, research-based, and enriched through authentic, real-world problem solving. Students and teachers have robust and adaptive tools to customize the learning, teaching, and assessment, ensuring that it is student-centered and emphasizing deep understanding of complex issues. Assessments are shifting to be online, embedded, and performance-based. Data and associated analysis serve as building blocks for learning that is personalized, individualized, and differentiated to ensure all learners succeed. The elements that comprise this Gear are as follows: • 21st Century Skills/Deeper Learning • Personalized Learning • Collaborative, Relevant, and Applied Learning • Leveraging Technology • Assessment—Analytics Inform Instruction A foundation for each of these elements is the increased use of digital content, providing learners a range of high quality media, accessible 24 hours-a-day, 7-days-a-week. This provides all students many more opportunities to personalize learning, reflect on their own work, think critically, and engage frequently in deeper understanding of complex topics. This necessitates equitable access to devices and high-speed networks and broadband both at school and beyond, into the community and homes.

Action Plan for Goal Area 1

Action Steps	Responsible Parties	Timeframe	Evidence
Continue to use technology to increase student achievement, personalize learning, incorporate 21st Century Skills and the Future Ready Frameworks by using district supported digital tools and resources.	• Director of Curriculum and Staff Development • Principals • Computer Education Content Coach • Library Media Specialists • Teachers • Students	Ongoing Fall 2022 - Spring 2025	• Data report to Technology Committee- • Atlas Curriculum Maps • LMS • LMC Websites • Student work • Assignments
The Library Media Specialists at all three schools, the Building-Based Technology Coordinators at all three schools, and the Computer Education Content Coach will continue to work with teachers to develop lessons, projects, and assessments that are empowering, engaging and enhanced by district supported digital tools and resources.	• Director of Curriculum and Staff Development • Principals • Library Media Specialists • Building-Based Technology Coordinators • Computer Education Content Coach • Teachers	Ongoing Fall 2022 - Spring 2025	• Atlas Curriculum Maps • BBTC evidence • LMC Websites • Student work • PL activities • Assessments • Assignments
Provide facilitated time for teachers to work on learning activities/lessons to use in their classes, which incorporate technologies in which they have been trained.	• Building-Based Technology Coordinators • Director of Curriculum and Staff Development • Computer Education Content Coach	Ongoing Fall 2022 - Spring 2025	• Course catalogs from staff development days and ongoing training offered throughout the year via PLC presentations, faculty meetings or after school workshops, feedback surveys. • PL Activities • Needs assessment

Embed digital citizenship into current lessons in order to help students think critically, behave safely, and participate responsibly in a digital world through communication, collaboration, creativity, and critical thinking skills.	• Director of Curriculum and Staff Development • Principals • Library Media Specialists • Building-Based Technology Coordinators • Computer Education Content Coach • Teachers	Ongoing Fall 2022 - Spring 2025	• Atlas Curriculum Maps • BBTC evidence • Common Sense Media Lessons • Student work • PL activities • Assessments • Assignments

Goal 2: Infrastructure for Teaching and Learning

State Tech Plan

Goal: As defined in its governing Statute (Sec. 4d-80), the Commission's ongoing work and long-term goals address connectivity to and within schools. Through its oversight of the Connecticut Education Network (CEN), the Commission will expand upon this work, with efforts underway to connect libraries, universities, municipalities, and other community anchor institutions. Based on CEN member needs assessments, the Commission will work closely with CEN leadership to explore the provision of new services that support educational networking demands statewide.

Efforts will continue to eliminate inequalities of access to technology by supporting the provision of broadband outside of school and equipping students with affordable, high-quality devices. This work will come in the form of sharing connectivity and infrastructure best practices with educational technology leaders and practitioners.

Future Ready Schools Framework

Robust Infrastructure:

When employed as part of a comprehensive educational strategy, the effective use of technology provides tools, resources, data, and supportive systems that increase teaching opportunities and promote efficiency.

The elements that comprise this Gear are as follows:

Adequacy of Devices; Quality and Availability
Robust Network Infrastructure
Adequate and Responsive Support
Formal Cycle for Review and Replacement

Such robust environments enable anytime, anywhere learning based on competency and mastery with empowered, caring adults who are guiding the way for each student to succeed. High quality, high speed technology and infrastructure systems within a school district are essential to the advancing of digital learning. In these environments, the use of technology is seamless, and students have ubiquitous access to broadband on high quality devices both at school and while at home.

Action Plan for Goal Area 2

Action Steps	Responsible Parties	Timeframe	Evidence
Continually review infrastructure and replace when needed.	• Director of Technology • Director of Finance	Ongoing Fall 2022 - Spring 2025	• Budget lines • Fixed Asset Management Software

Allocate resources to support keeping the technology staff current with the latest skills through training sessions.	• Director of Technology • Director of Finance	Ongoing Fall 2022 - Spring 2025	• Budget lines • Records from workshops
Continue to work with the District Technology Committee to build our 1:1 computing environment, including addressing equity issues.	• Director of Technology • Director of Finance • Principals • Technology Committee • Parents • Students	Ongoing Fall 2022 - Spring 2025	• Budget lines • 1:1 Plan • Meeting minutes
Continue to use a ticket module to receive, respond, track and address technology trouble tickets. Using this information, we can make projections regarding where possible issues may arise in the future and then prepare and/or budget for repairs or replacements.	• Director of Technology • Principals • Teachers	Ongoing Fall 2022 - Spring 2025	• ITDirect reports • Teacher feedback

Goal 3: Student Data and Privacy

State Tech Plan
Goal: The availability of digital tools, devices, and access has expanded the ability of educators — and students themselves — to capture, assess, and act upon educational data. The Commission will continue to champion the effective use of instructional and operational data to further learning while helping to ensure the security and privacy of student and educator information and content. This work will include initiatives that support the effective and responsible use of educational data across a number of initiatives. Privacy Compliance Privacy Best Practices Framework Advocacy Funding

Future Ready Schools Framework
Data and Privacy: Data privacy and security are foundational elements of digital learning. The district ensures that sound data governance policies are enacted and enforced to ensure the privacy, safety, and security of confidential data sets. Such policies and procedures ensure that access to authorized persons is secure. Education professionals have a range of resources, trainings, and services available to build their awareness and capacity to implement such policies and procedures with precision. The elements that comprise this Gear are as follows: Data and Data Systems Data Policies, Procedures, and Practices Data-Informed Decision Making Data Literate Education Professionals A personalized, learner-centered environment uses technology to collect, analyze, and organize data to provide continuous cycles of feedback to students, teachers and other education professionals, with the intent of increasing the depth, breadth, complexity, and efficiency of learning. All policies and practices ensure student data privacy.

Action Plan for Goal Area 3

Action Steps	Responsible Parties	Timeframe	Evidence
Utilize a SIS, LMS, and data warehouse for storing and accessing data.	• Director of Curriculum and Staff Development • Director of Technology • Principals • Computer Education Content Coach	Ongoing Fall 2022 - Spring 2025	• PowerSchool SIS, Insights, and Learning • PL activities

	• Teachers • Students		
Use CT laws on student data and privacy to create policies and procedures for the district.	• Superintendent • Director of Finance • Director of Curriculum and Staff Development • Director of Technology	Ongoing Fall 2022 - Spring 2025	• Policy • Contracts • Notifications • Website
Continue to investigate evidence-based reasoning and data-driven decision-making, including training on using the data warehouse, Universal Assessment data, and SIS.	• Director of Curriculum and Staff Development • Principals • Computer Education Content Coach • Teachers	Ongoing Fall 2022 - Spring 2025	• PowerSchool SIS, Insights, and Learning • PL activities • Atlas Curriculum Maps • STAR Data Coach

Appendix A: Technology Planning Resources

Technology Planning Resources

Technology Planning Resources	Site
CSDE Educational Technology Plan	http://www.ct.gov/ctedtech/lib/ctedtech/2017-18_Strategic_Plan_1-0.pdf
Future Ready Frameworks	https://futureready.org/
International Society for Technology Education	https://www.iste.org/
National Educational Technology Plan	https://tech.ed.gov/netp/