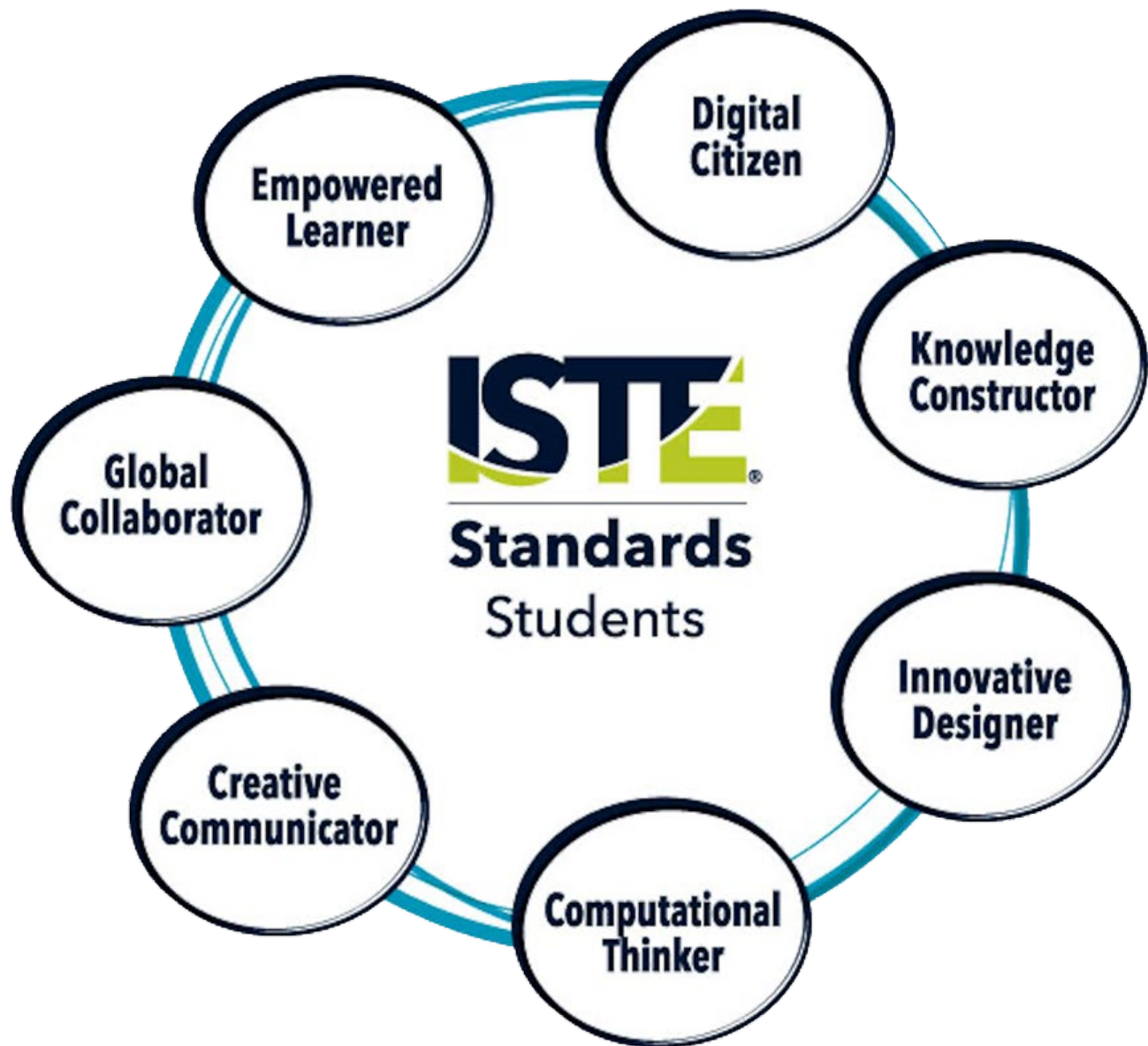Amity Regional District #5
Bethany-Orange-Woodbridge

Educational Technology Plan

July 1, 2025 through June 30, 2028

The aim of technology in education is empowerment – creative, powerful, personal, and open-ended in our lives. Technology should be seamlessly integrated, supporting our staff and students to think, create, communicate, collaborate – locally and globally – and learn effectively in a one-to-one environment.

Goal 1: Digital Learning

The Amity School District is committed to providing students with the skills to effectively and safely use digital tools, to prepare them to fully participate in higher education, the workforce, and the community. We aim to champion the adoption of essential digital skills, including the effective use of artificial intelligence and cybersecurity awareness. To support best practices in technology-enabled learning, we will continue to implement the ISTE standards for students, teachers, and educational leaders.

ISTE STANDARDS for Students
- **Empowered Learner (1a)**: Students articulate and set personal learning goals, develop strategies leveraging technology to achieve them, and reflect on the learning process itself to improve learning outcomes.
- **Digital Citizen (2b)**: Students engage in positive, safe, legal, and ethical behavior when using technology, including social interactions online or when using networked devices.
- **Knowledge Constructor (3a)**: Students plan and employ effective research strategies to locate information and other resources for their intellectual or creative pursuits.
- **Innovative Designer (4a)**: Students know and use a deliberate design process for generating ideas, testing theories, creating innovative artifacts, or solving authentic problems.
- **Computational Thinker (5a)**: Students formulate problem definitions suited for technology-assisted methods such as data analysis, abstract models, and algorithmic thinking in exploring and finding solutions.
- **Creative Communicator (6a)**: Students choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.
- **Global Collaborator (7b)**: Students use collaborative technologies to work with others, including peers, experts, or community members, to examine issues and problems from multiple viewpoints.

ISTE STANDARDS for Educators
- **Learner (1a)**: Educators continually improve their practice by learning from and with others and exploring proven and promising practices that leverage technology to improve student learning.
- **Leader (2b)**: Educators advocate for equitable access to educational technology, digital content, and learning opportunities to meet the diverse needs of all students.
- **Citizen (3b)**: Educators establish a learning culture that promotes curiosity and critical examination of online resources and fosters digital literacy and media fluency.
- **Collaborator (4a)**: Educators dedicate planning time to collaborate with colleagues to create authentic learning experiences that leverage technology.
- **Designer (5a)**: Educators use technology to create, adapt, and personalize learning experiences that foster independent learning and accommodate learner differences and needs.
- **Facilitator (6a)**: Educators foster a culture where students take ownership of their learning goals and outcomes in both independent and group settings.
- **Analyst (7a)**: Educators provide alternative ways for students to demonstrate competency and reflect on their learning using technology.

ISTE STANDARDS for Leadership
- **Equity and Citizenship Advocate (1a)**: Leaders ensure all students have skilled teachers who actively use technology to meet student learning needs.
- **Visionary Planner (2a)**: Leaders engage education stakeholders in developing and adopting a shared vision for using technology to improve student success, informed by the learning sciences.
- **Empowering Leader (3a)**: Leaders create a culture where teachers and learners are empowered to use technology in innovative ways to enrich teaching and learning.
- **Systems Designer (4a)**: Leaders build teams and systems to implement, sustain, and continually improve the use of technology to support learning.
- **Connected Learner (5a)**: Leaders set goals to remain current on emerging technologies for learning, innovations in pedagogy, and advancements in the learning sciences.
- **Equity and Citizenship Advocate (1b)**: Leaders model digital citizenship by engaging in responsible and ethical behavior in their professional practices.
- **Visionary Planner (2b)**: Leaders communicate effectively with stakeholders to gather input on technology plans and policies and to share the vision for technology use in the district.

Action Plan for Goal Area 1

Action Steps	Responsible Parties	Evidence
Continue to use technology to increase student achievement, personalize learning, and build workforce skills by using district supported digital tools and resources.	- Assistant Superintendent - Principals - District Technology Coach - Library Media Specialists - Teachers - Students	- Data report to Technology Committee - Curriculum Maps - Learning Management System (LMS) - Library Media Center (LMC) Websites - Student work - Assignments
Explore the creation of a common digital literacy curriculum, incorporating the recommended ISTE Student Competencies.	- Assistant Superintendent - Principals - District Technology Coach - District Curriculum Coach - Library Media Specialists	- Technology Committee Meeting Minutes - Curriculum Maps

Teachers will continue to develop lessons, projects, and assessments that are empowering, engaging and enhanced by district supported digital tools and resources. The Library Media Specialists, Building-Based Technology Coordinators (BBTC), and the District Technology Coach will support teachers as needed.	• Assistant Superintendent • Principals • Library Media Specialists • BBTC • District Technology Coach • Teachers	• Curriculum Maps • BBTC evidence • LMC Websites • Student work • Professional Learning (PL) activities • Assessments • Assignments
Provide ongoing professional development opportunities for teachers and educational leaders focused on the effective use of digital tools and pedagogies. This includes training on artificial intelligence, cybersecurity, and personalized learning strategies to enhance classroom instruction. Additionally, 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.	• BBTC • Assistant Superintendent • District Technology Coach	• Course listings 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 to help students think critically, behave safely, and participate responsibly in a digital world through communication, collaboration, creativity, and critical thinking skills.	• Assistant Superintendent • Principals • Library Media Specialists • BBTC • District Technology Coach • District Curriculum Coach • Teachers	• Curriculum Maps • BBTC evidence • Common Sense Media Lessons • Student work • PL activities • Assessments • Assignments

Goal 2: Infrastructure for Teaching and Learning

The Amity School District is committed to providing a safe and effective technological infrastructure that supports teaching and learning. We will assess technological needs and costs within our schools and district, ensuring that investments are guided by best practices and efficiencies. By leveraging federal and state programs, we aim to optimize our technology budget. Additionally, we will gather collective input from schools to evaluate the effectiveness of educational technology and explore opportunities for cooperative purchasing. We are dedicated to ensuring digital equity, providing all students with access to the necessary technology and resources to succeed. This approach aligns with our vision of empowering students and educators through seamless, innovative, and sustainable technology integration.

ISTE STANDARDS for Leadership
- **Equity and Citizenship Advocate (1b)**: Leaders ensure access to technology, connectivity, inclusive digital content, and learning environments that meet the needs of all students.
- **Equity and Citizenship Advocate (1c)**: Leaders cultivate responsible online behavior, including the safe, ethical, and legal use of technology.
- **Visionary Planner (2c)**: Leaders evaluate and reflect on current research and professional practices to make informed decisions regarding the use of technology in support of student learning.
- **Empowering Leader (3b)**: Leaders build the capacity of educators to design and implement technology-rich learning environments that maximize student learning.
- **Systems Designer (4b)**: Leaders ensure that resources for supporting the effective use of technology for learning are sufficient and scalable to meet future demand.
- **Connected Learner (5b)**: Leaders participate regularly in online professional learning networks to collaboratively learn with and mentor other professionals.

Action Plan for Goal Area 2

Action Steps	Responsible Parties	Evidence
Continually review infrastructure and replace when needed.	- Director of Technology - Director of Finance	- 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	- Budget lines - Records from workshops

Continue to work with the District Technology Committee to maintain our 1:1 computing environment, including addressing equity issues.	• Director of Technology • Director of Finance • Principals • Technology Committee • Parents • Students	• Budget lines • 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	• Ticket reports • Teacher feedback

Goal 3: Data Privacy and Security

The Amity School District is dedicated to protecting and stewarding student and other sensitive data, ensuring privacy and security in all our digital practices. We will continue to incorporate policies and practices that ensure data privacy. This commitment to data privacy and security aligns with our vision of empowering students and educators through safe, ethical, and innovative technology integration.

ISTE STANDARDS for Students
- **Empowered Learner (1d)**: Students understand the fundamental concepts of technology operations, demonstrate the ability to choose, use, and troubleshoot current technologies, and can transfer their knowledge to explore emerging technologies.
- **Digital Citizen (2d)**: Students manage their personal data to maintain digital privacy and security and are aware of data-collection technology used to track their navigation online.
- **Knowledge Constructor (3d)**: Students build knowledge by actively exploring real-world issues and problems, developing ideas and theories, and pursuing answers and solutions.
- **Innovative Designer (4c)**: Students develop, test, and refine prototypes as part of a cyclical design process.
- **Computational Thinker (5d)**: Students understand how automation works and use algorithmic thinking to develop a sequence of steps to create and test automated solutions.
- **Creative Communicator (6d):** Students publish or present content that customizes the message and medium for their intended audiences, ensuring that their communication is clear, effective, and respects privacy and security considerations.
- **Global Collaborator (7c)**: Students contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal while maintaining data privacy and security.

ISTE STANDARDS for Educators
- **Learner (1b)**: Educators continually participate in professional learning networks to stay current with research that supports improved student learning outcomes, including findings on data privacy and security.
- **Leader (2c)**: Educators model for colleagues the identification, exploration, evaluation, curation, and adoption of new digital resources and tools for learning, ensuring they meet privacy and security standards.
- **Citizen (3c)**: Educators mentor students in safe, legal, and ethical practices with digital tools and the protection of intellectual rights and property.
- **Collaborator (4b)**: Educators collaborate and co-learn with students to discover and use new digital resources and diagnose and troubleshoot technology issues, ensuring data privacy and security.
- **Designer (5b)**: Educators design authentic learning activities that align with content area standards and use digital tools and resources to maximize active, deep learning while ensuring data privacy and security.

ISTE STANDARDS for Leadership
- **Equity and Citizenship Advocate (1d)**: Leaders model and promote the safe, ethical, and legal use of technology.
- **Visionary Planner (2c)**: Leaders evaluate and reflect on current research and professional practices to make informed decisions regarding the use of technology in support of student learning.

- **Empowering Leader (3d)**: Leaders support educators in using technology to advance learning that meets the diverse learning, cultural, and social-emotional needs of individual students.
- **Systems Designer (4c)**: Leaders protect privacy and security by ensuring that students and staff observe effective privacy and data management policies.
- **Connected Learner (5c)**: Leaders stay current with research that supports improved student learning outcomes, including findings from the learning sciences.

Action Plan for Goal Area 3

Action Steps	Responsible Parties	Evidence
Utilize a Student Information System (SIS), LMS, and data warehouse for storing and accessing data.	• Assistant Superintendent • Director of Technology • Principals • District Technology Coach • Teachers • Students	• SIS • Data Warehouse • PL activities
Use CT laws on student data and privacy to create policies and procedures for the district. Utilize Connecticut's Data Privacy Hub (LearnPlatform) to ensure that we are using Student Data Privacy compliant programs.	• Superintendent • Director of Finance • Assistant Superintendent • Director of Technology	• 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.	• Assistant Superintendent • Principals • District Technology Coach • District Curriculum Coach • District Data Team • Teachers	• SIS • Data Warehouse • PL activities • Curriculum Maps • Data Meeting Presentations/Notes

Appendix A: Technology Planning Resources

Technology Planning Resources

Technology Planning Resources	Site
CSDE Educational Technology Plan	https://portal.ct.gov/-/media/das/ctedtech/publications/2024/202428_cet_strategic_plan.pdf
International Society for Technology Education	https://www.iste.org/
National Educational Technology Plan	https://tech.ed.gov/netp