



TECHNOLOGY

The Central Bucks School District is committed to utilizing educational technology and digital tools that expand access to the curriculum and promote personalized learning. We will prepare students for their future by utilizing a variety of instructional practices and tools that support higher order thinking.



INSTRUCTIONAL TOOLS: The Technology and Innovation (T&I) Department will provide technology tools, 21st century skills, and technology professional development to align with K-12 curriculum implementation.

OBJECTIVES:

1. Increase access to technology for students to enhance student learning.
2. Integrate 21st century skills into curriculum, instruction, and assessment.
3. Provide professional development opportunities and resources to support implementation of curriculum.

2019-2020 STRATEGIC INITIATIVES:

- Implement a 1:1 initiative for high schools.
- Utilize a district learning management system (Canvas) in high school classrooms.
- Implement 21st century skills and digital citizenship in all grades.
- Evaluate the need for additional building-based professional development and technical support.
- Develop a flexible learning space model for elementary and secondary rooms.
- Create opportunities for staff and students to earn technical certifications (Microsoft, ISTE, Seesaw, and Apple).
- Align curriculum and technology goals to strengthen teaching and learning in all grades.



INFRASTRUCTURE: The T&I Department will build, support, and maximize a dynamic and reliable infrastructure with an eye toward the future.

OBJECTIVES:

1. Make ubiquitous Wi-Fi access available to students, staff, and community.
2. Devise a disaster recovery plan that includes migrating district servers to the cloud.

2019-2020 STRATEGIC INITIATIVES:

- Continue to update access points in all instructional areas and auditoriums.
- Re-evaluate the network to remove end-of-life switching and provide new modern infrastructure and management to support district needs.
- Continue to create procedures for potential disasters to our data and infrastructure.
- Implement and execute a disaster recovery plan and practice scenarios.
- Analyze each service and continue to move on-premises servers to cloud-based platforms.
- Build a dynamic and reliable network that blends on-premises and cloud services with a focus on security and performance first.



TECHNICAL SUPPORT: The T&I Department will institute a collaborative technical and instructional support network for district staff.

OBJECTIVES:

1. Select building leaders who can help support technology and curriculum.
2. Provide targeted training and have on-demand support for teachers.
3. Delegate support roles to members of the T&I Department.

2019-2020 STRATEGIC INITIATIVES:

- Evaluate the current building needs to determine if additional technology support is necessary.
- Continue to add and train student support teams (iTeam) in each high school.
- Continue to host online tutorials and resources for students and staff.
- Train technical staff in their areas of support to remain current (Ex: Teams, Canvas, OneNote, and iPads).



POLICIES AND PROCEDURES: The T&I Department will focus on data-privacy, security policies, and guidelines to effectively organize data, assets, and resources.

OBJECTIVES:

1. Create a district Acceptable Use Policy (AUP) and update current school board policies pertaining to technology.
2. Make district data available and more easily accessible to district decision-makers.
3. Organize online resources for students, staff, and community members.

2019-2020 STRATEGIC INITIATIVES:

- Communicate updated policies to students and staff.
- Provide less restrictive filtering policies and restrictions to allow for more digital citizenship of users.
- Implement a data-visualization platform to help inform district decisions.
- Continue to update our inventory system to provide data for budget and planning.
- Organize online content in an approachable, clear navigation for easy access for all stakeholders.



BUDGET AND RESOURCES: The T&I Department will maintain a well-organized budget to provide consistent funding in support of technology and innovation.

OBJECTIVES:

1. Develop a capital budget plan for technology purchases.
2. Explore leasing options for device purchases.
3. Provide innovation grants to teachers.

2019-2020 STRATEGIC INITIATIVES:

- Create a hardware refresh cycle that will help plan for device replacements and additions.
- Develop metrics to help gauge the effectiveness of the technology plan and capital budgets.
- Create a process for teachers to apply for innovation grants that go beyond the benchmarks.