



# **Canton Public Schools Technology Strategic Plan**

2020 - 2025

# The Technology Planning Team

Member	Title	Constituency Represented
Jeff DelMastro	Technology Administrator	Technology Department
Jon Bishop	Director of Learning Innovation	District Administrator
Kevin D. Case	Superintendent of Schools	District Administrator
Robin Nardini	Technology Integration Specialist	Technology Department
Erik Glidden	Technology Specialist	Technology Department
Benjamin Lagace	Technology Specialist	Technology Department
Maria Bradley	BOE Member	Community
Joe Scheideler	BOE Member	Community
Perri Murdica, Ed.D.	Director of Pupil Personnel Services	Central Office
Kate Dauphinais	1 <sup>st</sup> Grade Teacher	Cherry Brook Primary School
Amber Scapin	3 <sup>rd</sup> Grade Teacher	Cherry Brook Primary School
Jennifer Babcock	Literacy Innovation Specialist	Cherry Brook Primary School
Sarah Foster	English Teacher	Canton Middle School
Tara Smith	World Language Teacher	Canton High School

# About This Plan

The Canton Public Schools Technology Plan (CPSTP) sets a district-wide vision and plan for technology use and development based on national standards and current research. The goal areas and themes provided in the document align to the Activities to Support the Effective Use of Technology (Title IV A) of Every Student Succeeds Act as authorized by Congress in December 2015. Additionally, the goals and themes developed within the plan provide for conceptual guidance, vertical coherence, and strategic planning.

The primary focus of this plan is to support the utilization of technology in the Canton Public Schools to serve as a tool to support teaching and learning in order to prepare students for an increasingly digital and connected world.

# National Educational Technology Plan Points of Focus

## FITTING THE PIECES TOGETHER



## DIGITAL USE DIVIDE

While essential, closing the digital divide alone will not transform learning. We must also close the digital **use** divide by ensuring all students understand how to use technology as a tool to engage in creative, productive, life-long learning rather than simply consuming passive content.

Simply consuming media or completing digitized worksheets falls short.



PASSIVE USE



ACTIVE USE

# About This Plan - Goal Areas

The Technology Planning Team utilized the framework of the National Ed Tech Plan. From that plan, the following Goal Areas were determined:

- Learning—Engaging and Empowering Learning through Technology
- Teaching—Teaching With Technology
- Leadership—Creating a Culture and Conditions for Innovation and Change
- Assessment—Measuring for Learning
- Infrastructure—Enabling Access and Effective Use

# About This Plan - Themes

The Technology Planning Team developed a series of themes which were used to develop indicators of success across goal areas relative to key points of practice. The themes allowed for the conceptual development and grouping of indicators of success across goals and to allow the district to align its efforts across four target areas:

- Instructional Program - The vision of the targeted content, skills and dispositions for the district.
- Instructional Practice - The skills and practices developed and used to implement the district program.
- Informed Data Collection - The reflection on the types of data collected as well as collection methods used to inform practice and program.
- Security - The assurance that collected data is secure and private.
- Note, some indicators may appear across multiple themes and are cross aligned

# About This Plan - Development Resources

The indicators of success for each goal area included in this plan were generated through the review of multiple national and international resources to develop alignment with current research and trends.

- [National Educational Technology Plan](#) (NETP) 2020
- [International Society for Technology in Education](#) (ISTE)
- [Common Core State Standards](#) (CCSS)
- [Next Generation Science Standards](#) (NGSS)
- Canton Public Schools Staff, Student, and Parent Technology Surveys

## Using This Plan

The Technology Committee will then develop its yearly goals based on the goal areas and indicators of success within this strategic plan.

We will evaluate our yearly successes based on how our work satisfies the indicators of this strategic plan.



# Areas of Focus

The BYOD Policy and 1:1 Program

- Goal Area 3 - Instructional Practice 1, Informed Data Collection 1

The Issue of Screen Time and Technology Tools

- Goal Area 3 - Instructional Practice 1, Informed Data Collection 1

Information Technology Infrastructure and Resource Long Range Planning

- Goal Area 5 - Instructional Program 2

Promoting Security for Student Uses and District Data

- Goal Area 1 - Security 2                      Goal Area 3 - Security 1 and 2

A Balanced Approach to Technology Integration in Instruction

- Goal Area 1 - Instructional Practice 2

Instruction in Digital Citizenship and Digital Media Skills

- Goal Area 1 - Instructional Program 1 and 2

# Learning - Engaging and Empowering Learning through Technology

**GOAL:** All learners will have engaging and empowering learning experiences in both formal and informal settings that prepare them to be **active, creative, knowledgeable**, and **ethical** participants in our **globally connected** society.

## Indicators of Success:

- Instructional Program
  - Create a progression which will set expectations and guidelines to ensure each student can be an active, creative, knowledgeable and ethical participant in our globally connected society
  - Ensure that all grade levels receive ongoing, updated global/digital citizenship lessons and cyber safety training (K-12)
- Instructional Practice
  - Promote the effective use of technologies that empower students to personalize their learning
  - Ensure a balanced instructional focus on digital and non-digital tools for teaching and learning at all grade levels
  - Continuously review student technology usage, including varieties of screen time, to develop guidelines, supports and boundaries based on current research/expert opinions
- Informed Data Collection
  - Continuously gather information and feedback about students' technology usage to inform policy and practice
- Security
  - Identify and utilize management systems to continuously gather information and feedback about students' technology use
  - Continuously evaluate network filtering, safety, and security for students, as developmentally appropriate

# Teaching - Teaching With Technology

**GOAL** : Educators will be supported by technology that **connects them to people, data, content, resources, expertise, and learning experiences** that can empower and inspire them to provide more effective teaching for all learners.

## Indicators of Success:

- Instructional Program
  - Through district leadership, evaluate community stakeholder data to inform continuous improvement regarding instructional technology
  - Ensure digital citizenship and media fluency at all levels and as developmentally appropriate
  - Evaluate current best practices for student learning, using a balanced approach to digital tools where and when appropriate
- Instructional Practice
  - Develop a common set of technology competency expectations for new hires and continuous professional development to ensure proficiency and security best practices for all constituents\*
  - Provide continuous professional development to staff surrounding a balanced approach to instructional technology for teaching and learning\*
- Informed Data Collection
  - Evaluate the allocation of resources to allow educators to continue to collaborate, pursue, and actively participate in current professional learning, locally and globally
  - Through district leadership, evaluate community stakeholder data to inform continuous improvement
  - Continue the development, evaluation, and use of data collection resources in order to drive instruction.
- Security
  - Develop a common set of technology competency expectations for new hires and continuous professional development to ensure proficiency and security best practices for all constituents\*

# Leadership - Creating a Culture and Conditions for Innovation and Change

**GOAL** : Embed an understanding of **technology-enabled education** within the roles and responsibilities of **education leaders at all levels** and set **vision for technology in learning**.

## Indicators of Success:

- Instructional Program
  - Inform stakeholders of the technology resources that are available to be used within classrooms
  - Provide continuous professional development to staff surrounding a balanced approach to instructional technology for teaching and learning\*
  - Regularly reflect on the implementation of the Technology Strategic Plan and its alignment with the District Strategic Coherence Plan
- Instructional Practice
  - Base decisions regarding technology usage, guidelines, supports and boundaries on current research/expert opinions on the impact of students' health and well-being including Bring Your Own Device (BYOD) and One to One deployment policies and procedures.\*
  - Develop clear outcomes for professional development based on district and teacher needs as well as current educational trends
- Informed Data Collection
  - Base decisions regarding technology usage, guidelines, supports and boundaries on current research/expert opinions on the impact of students' health and well-being including *Bring Your Own Device* (BYOD) and *One to One* deployment policies and procedures.\*
- Security
  - Promote the awareness of privacy, cyber, and security responsibilities and resources provided by the district to stakeholders
  - Promote the collective awareness of privacy, cyber and security responsibilities shared by stakeholders

# Assessment - Measuring For Learning

**GOAL** : At all levels, our education system will **leverage the power of technology** to **measure what matters** and **use assessment data** to **improve learning**.

## Indicators of Success:

- Instructional Program
  - Evaluate the use of learning management systems to support teaching and learning
- Instructional Practice
  - Continuously revisit and update policies regarding technology use based on data to inform practice
  - Continue to explore, evaluate, and implement online and/or technology-based assessments and evaluate appropriateness of the assessment instrument
- Informed Data Collection
  - Create an inventory of current assessment tools used across the district to develop an informed and balanced approach to inform teaching and learning
  - Continue to implement and refine the use of student data management systems to provide access to teachers, students, parents, and administrators regarding student performance and growth
- Security
  - Continue to review the types of data in student information and assessment storage locations to ensure compliance with relevant retention requirements
  - Conduct routine security evaluation for student information and assessment data storage locations

# Infrastructure - Enabling Access and Effective Use

**GOAL :** All students and educators will have **access to robust and comprehensive** infrastructure **when and where they need it for learning.**

## Indicators of Success:

- Instructional Program
  - Routinely evaluate changes in technology needs to meet the curriculum requirements of subject areas and allocate resources as necessary
  - Explore options for regular financial projections to illustrate the impact of technology integration
- Instructional Practice
  - Promote an environment of continuous collaboration and professional development to embrace the continuously changing demands in technology
- Informed Data Collection
  - Explore options for documenting network utilization over time to inform operations
  - Explore options for documenting server utilization over time to inform operations
  - Continue to refine server and network documentation to support operations
  - Explore and refine options for asset management for better reporting on usage and damage in support of operations and budget development
- Security
  - Develop a robust Cyber Crisis Plan to better handle both simple and catastrophic attacks. The plan would meet minimum FBI security standards, best practices throughout the IT industry, and be funded and supported by the Canton Board of Education
  - Update and adopt a Data Retention Plan based on state standards which will allow the district to better plan for the storage and backups required by contemporary practice and law

Questions?