



# CSD Technology Plan 2021-22 Update

## Technology Task Force

<https://bit.ly/3NCTvjK>



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**March 31, 2022**

# Overview

## Agenda

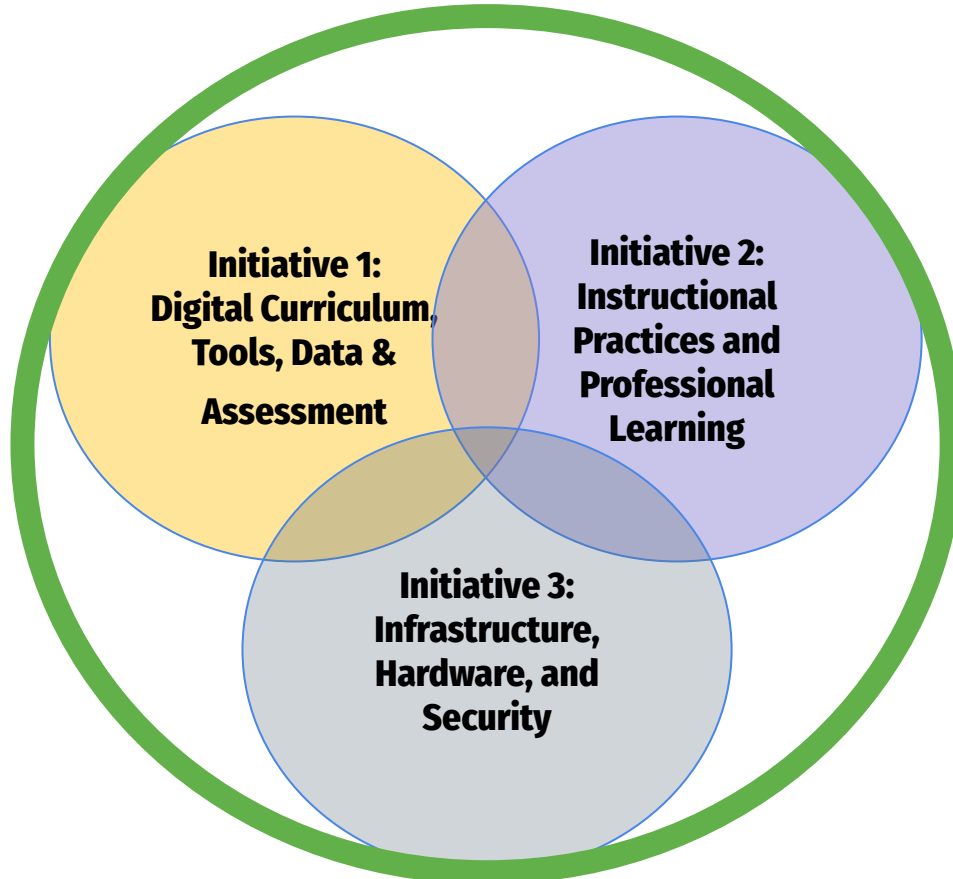
- CSD Technology Plan Overview
- Factors Affecting Progress
- Tech Plan Update
  1. Digital Curriculum, Tools, Data and Assessment
  2. Instructional Practices & Professional Learning
  3. Infrastructure, Hardware and Security
- Funding Technology
- Resources

## Goals

- Update CSD stakeholders
- Discuss feedback & ideas
- Share key messages and directions moving forward



# CSD Technology Plan Overview



- [CSD Technology Plan](#) contains three initiatives and spans five years.
- CSD Board approved Tech Plan on May 2019
  - Did not include approval for funding or resources
- CSD Technology Plan stipulates a yearly review of progress in the spring with a Technology Committee



# Factors Affecting Progress and Priorities

- COVID 19
- Competing priorities
- Limited resources (Time, Budget, People)
- Items prioritized based on...
  - Impact on student learning
  - Urgency of need
  - Resource availability
  - Complexity of implementation



# Rating Progress

1

2

3

4

5

## **Exploration/ Research Phase**

- exploring/researching possible solutions

## **Beginning Development**

- solution/plan identified
- work is underway to implement plan

## **Initial Implementation**

- significant/primary portion of plan or solution is implemented.
- being used in a limited way or by a limited set of users e.g. pilot

## **Full Implementation**

- baseline plan/solution is fully implemented and in use.
- gathering feedback and evaluating effectiveness
- putting procedures in place to ensure sustainable

## **Full Implementation and Sustainability**

- full implementation. Cycle of updates based on feedback/evaluation



# Initiative 1: Digital Curriculum, Tools, Data & Assessment



## Vision: Empowering Student Learning Through Technology

- ◉ [Goal 1.1](#): Access to digital literacy skills per ISTE Standards for Students
- ◉ [Goal 1.2](#): Utilize technology to meet diverse needs of all learners
- ◉ [Goal 1.3](#): Support implementation of digital curriculum, assessments, and tools
- ◉ [Goal 1.4](#): Integrate technology with the intention to create a culture of innovation that fosters student growth
- ◉ [Goal 1.5](#): Use data to identify and inform program needs, personalize learning and support MTSS achievement teams
- ◉ [Goal 1.6](#): Create process for effective evaluation of supplemental digital curriculum
- ◉ [Goal 1.7](#): Empower students by building capacity to support teachers with technology integration in the classroom
- ◉ [Goal 1.8](#): Educate students in making responsible digital choices through integration of Digital Citizenship lessons into PBIS.

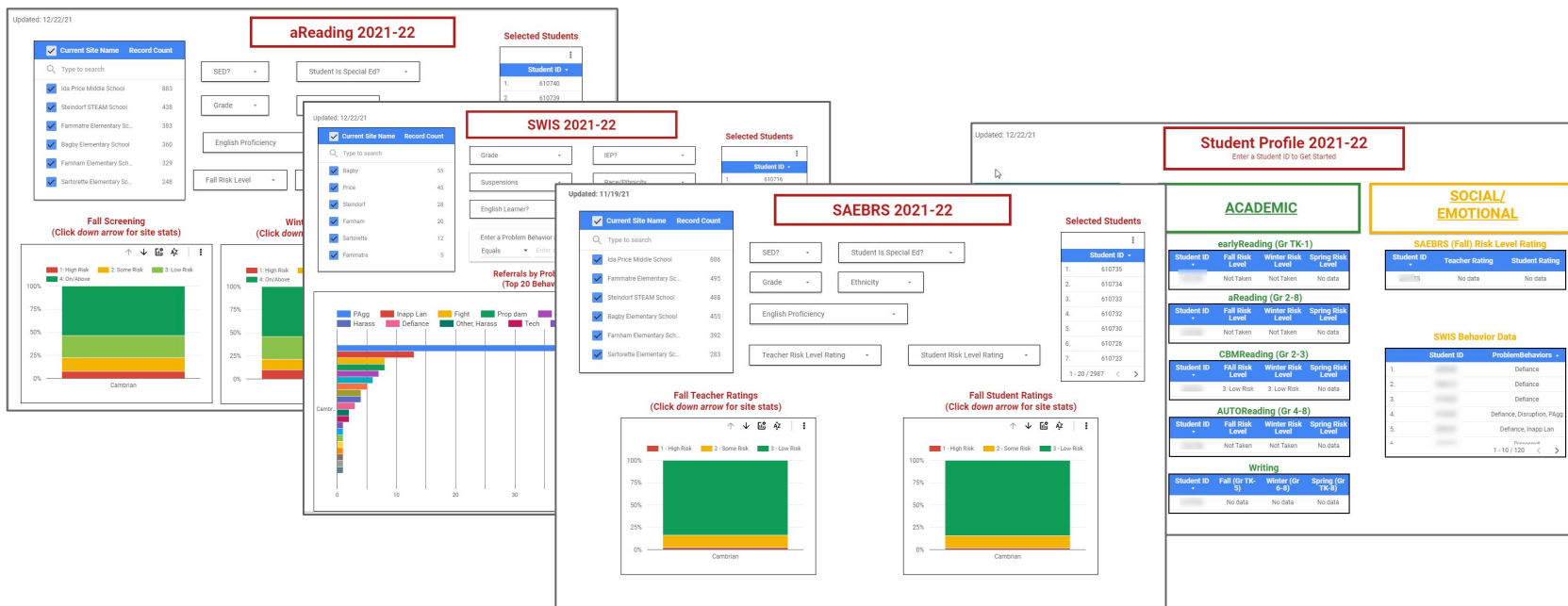


# Initiative 1: Digital Curriculum, Tools, Data & Assessment



## Successes - NEW!

- Data Dashboard implemented (Year 1)
- Give us feedback! [Teacher/Staff Poll](#)





# Initiative 1: Digital Curriculum, Tools, Data & Assessment



## Successes

- **Support and maintain implementation of digital curriculum, assessments, and tools**
  - Give us feedback!
    - [Teacher/Staff Poll](#)
    - [Parent/Community Poll](#)



Imagine Learning	SeeSaw	Google Classroom	Kami
Mystery Science	Quaver Music	TCI Social Studies	Zoom
Screencastify	FastBridge Assessment	Digital Citizenship	Joy English EL Program
Benchmark Advance ELA	HMH Collections ELA	Read 180	Habitudes
Amplify Science			





# Initiative 1: Digital Curriculum, Tools, Data & Assessment



## Successes (cont)

- **Formative and summative assessment support (Year 3)**
  - *FastBridge Universal Screener for ELA, Math, Social/Emotional - 3x/yr*
    - Grade level Professional Learning Communities (PLC) using FastBridge data
- **Process for vetting classroom digital tools for student data privacy (Year 3)**
  - [App Responsibly!](#)
- **Digital Citizenship Curriculum (Year 2)**
  - Integrate [Common Sense Media Digital Citizenship Curriculum](#) into PBIS





# Initiative 1: Digital Curriculum, Tools, Data & Assessment



## Challenges/Areas for Growth/On Hold

- **Personalize Student Learning**
  - Maker Learning
  - Create a Digital Accessibility Strategies Toolkit + Passion Project
- **Framework for evaluation of digital tool effectiveness**  
still preliminary
- **Empower students to support teachers with technology**
  - GenYes - out of business





# Initiative 1: Digital Curriculum, Tools, Data & Assessment



## Looking Forward:

### Priorities for Recommended Inclusion in 2022-23 CSD LCAP\*

- **Evaluating Effectiveness of Digital Tools in the Classroom**
  - Create preliminary framework and process for evaluation of digital tools: TIMS (See *Initiative 2*)
- **Fully implement Data Dashboard**
  - Roll out to teachers
- **Integration of Digital Citizenship Curriculum grades TK-8 with PBIS**
- **FastBridge Universal Screener Assessment**
  - Continue PLC + incorporate Progress Monitoring tools

\*Local Control and Accountability Plan: The LCAP is the district plan for all programs and services.



## Initiative 2:

# Instructional Practices and Professional Learning



### **Vision: Teaching with Technology and Learning to Teach with Technology**

- [Goal 2.9](#): All school sites adopt [CSD Technology Skills Scope and Sequence](#) (CSD TSSS) to support equitable access to Next-generation learning for all students.
- [Goal 2.10](#): Provide a digital professional learning platform and online forum to share best practices and personalize “just in time” learning for all staff.
- [Goal 2.11](#): Build staff collaborative capacity and empower teachers to provide or facilitate professional learning opportunities around integration of educational technology and innovation.
- [Goal 2.12](#): Provide teachers with digital monitoring tools to facilitate, guide, and manage student online work to ensure digital learning opportunities meet intended objectives.



# Initiative 2: Instructional Practices and Professional Learning



## Successes - NEW!

- **TIMS (Technology Integration Mentors) Team**



- **Guiding Principles**

- Learning First Through Technology
- Improve student learning through tech integration
- Improve equitable access to technology for ALL
- Data-based decision making

- **18 Month Plan**

- Google for Edu Certification - Levels 1 & 2
- Google for Edu Certified Coach Certification
- Instructional Rounds
- Book study
- Site support

- **Give us feedback!**

- [Teacher/Staff Poll](#)
- [Parent/Community Poll](#)





# Initiative 2: Instructional Practices and Professional Learning



## Successes - NEW!

- **Provide mechanism to monitor student devices and accounts - Securly**
  - Classroom monitoring of digital activities
  - Trained all staff: October 2021: Chromebook support
    - **Action item:** Add support for iPad and Macbooks
  - Middle School Take Home Program: [Securly Home app](#)
  - **Give us feedback!**
    - [Teacher/Staff Poll](#)
    - [Parent/Community Poll](#)



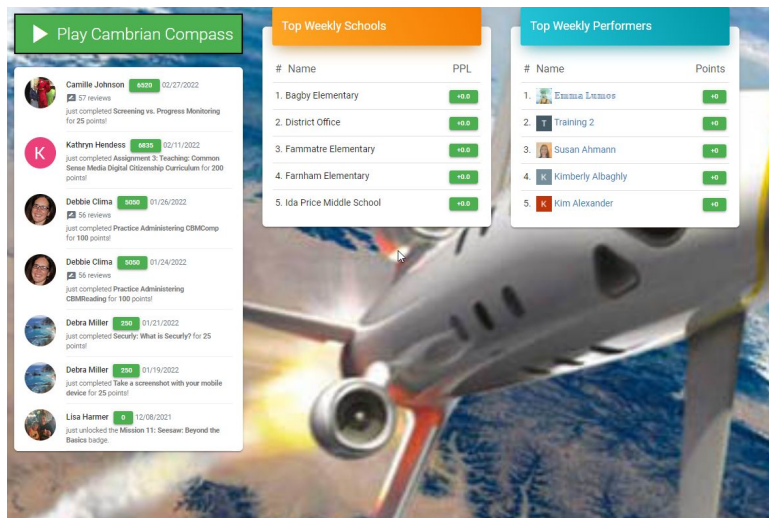


# Initiative 2: Instructional Practices and Professional Learning



## Successes

- **Digital professional learning platform** to share best practices and personalize “just in time” learning for all staff.
  - **Year 3: Alludo Professional Learning Platform: Cambrian Compass**





# Initiative 2: Instructional Practices and Professional Learning



## Challenges/Areas for Growth/On Hold

- All school sites adopt [CSD Technology Skills Scope and Sequence](#) (CSD TSSS) to support equitable access to Next-generation learning for all students.
  - Update to incorporate CA Computer Science Standards
  - Implement through TIMS







## Initiative 2:

# Instructional Practices and Professional Learning



### Looking Forward: Priorities for Recommended Inclusion in 2022-23 CSD LCAP\*

1. **Professional development focus for teachers**
  - Explicit, consistent teaching of digital citizenship (TK-8)
  - Evaluate new content in Alludo that will meet teacher's evolving needs
  - Choice and voice in professional development offerings
2. **Tech standards ([CSD TSS](#))**
  - Revise based on CS standards; implement through TIMS
3. **Technology and Innovation Fellowship Program**
  - Complete TIMS training and implement at sites
4. **Provide mechanism to monitor student device and accounts - Securly**
  - Implement on iPads and MacOS devices based on need

\*Local Control and Accountability Plan: The LCAP is the district plan for programs and services.



# Initiative 3:

## Infrastructure, Hardware, and Security



### **Vision: Enabling Access and Safe, Effective Use of Technology**

- [Goal 3.13](#): Technology resources are ubiquitous in classrooms across the district and all students have access to developmentally appropriate devices to support learning.
- [Goal 3.14](#): Define and document an end to end process around requesting, procuring, receiving donations, inventory control and disposal of technology tools and devices
- [Goal 3.15](#): Improve efficiency of remote support processes and mobile device management (MDM) software running updates, securing devices, troubleshooting and enforcing policies.
- [Goal 3.16](#): Classroom standard technology equipment for teaching is met in all classrooms
- [Goal 3.17](#): Ensure students and staff have access to the necessary internet connectivity
- [Goal 3.18](#): Provide the infrastructure and processes necessary to ensure safe and responsible technology use
- [Goal 3.19](#): Continue to support and improve district-wide communication tools and website to meet the needs of our community



# Initiative 3: Infrastructure, Hardware, and Security



## Successes - NEW!

### ● Student Devices

- 1:1 (student:Chromebook) ratio grades 2-8
- 3:1 (student:iPad) ratio grades TK-1
- Middle School Student Device *Take Home Program*

#### ○ Give us feedback!

- [Teacher/Staff Poll](#)
- [Parent/Community Poll](#)



### ● Cloud-based filtering and auditing: Securly

- Onsite and off-premises support for *Take Home Program*.





# Initiative 3: Infrastructure, Hardware, and Security



## Successes

- Classroom standard tech procured for all classrooms.
- Ensure students and staff have access to the necessary Internet connectivity
- Review network security infrastructure based on current threats and best practices.
  - Implemented two-factor authentication (DUO)
- Improve efficiency/consistency of remote support processes and mobile device management (MDM) software for running updates, securing devices, troubleshooting and enforcing policies.
  - Mosyle, Meraki: Remote device mgmt
  - Teamviewer: Remote troubleshooting





# Initiative 3: Infrastructure, Hardware, and Security



## In Progress

- Continue to support and improve district-wide communication tools and website to meet the needs of our community



- Redundant systems for Internet and Phone Service**

- Switched over to Santa Clara Office of Education dark fiber ring configuration
- Looking at options for additional redundancy at sites (ISP, Phone service provider)



- Cloud Backup**

- Adding secondary backup system



## Initiative 3: Infrastructure, Hardware, and Security



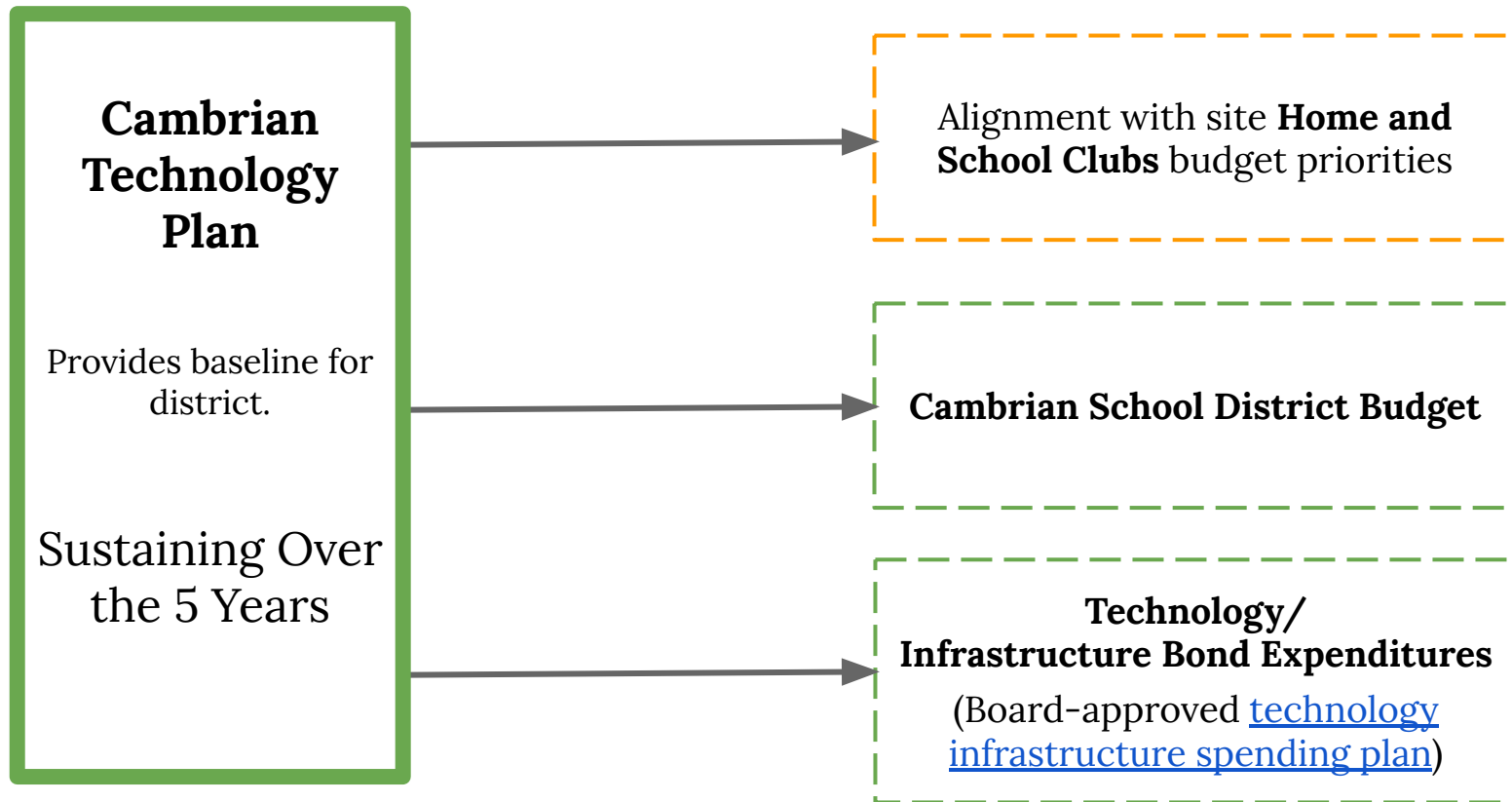
### Looking Forward: Priorities for Recommended Inclusion in 2022-23 CSD LCAP\*

1. **Cloud Backup:** Adding secondary backup system
2. **Staff Macbooks:** Refresh
3. **Evaluate device ratios and take home program**
4. **Site visitor system implementation**
5. **Server rooms:** Improve surveillance and temperature monitoring
6. **Redundancy options for Internet and Phone Service**

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# Funding Technology





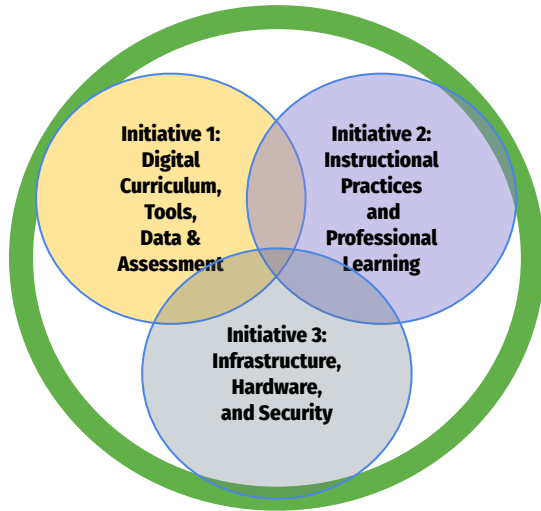
# Resources

- ① [CSD Technology Plan](#)
- ① [Board-approved Technology Infrastructure Spending Plan](#)





# CSD Technology Plan Update



Thank  
you!