



# CSD Technology Plan 2019-20 Update Technology Task Force

<https://bit.ly/2L2arks>



Matt Hill, Director of Education Technology  
Mujtaba Rauf, Director of Information Technology

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# Video Conference Meeting Logistics

1. Make sure everyone can hear you
2. If you aren't talking, mute your microphone.
3. Turn off your camera if you need to step away.

Thank you for being here :-)



# Overview

## Agenda

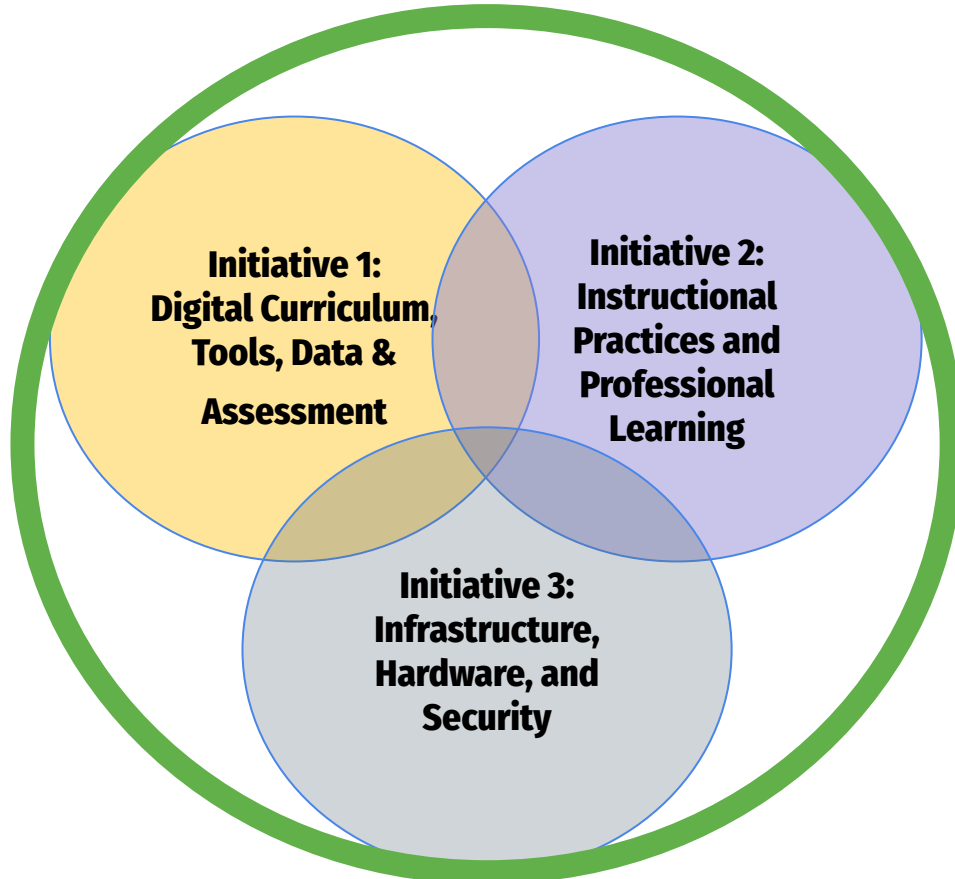
- CSD Technology Plan Overview
- Factors Affecting Progress
- Updates
  - **Initiative 1: Digital Curriculum, Tools, Data and Assessment**
  - **Initiative 2: Instructional Practices and Professional Learning**
  - **Initiative 3: Infrastructure, Hardware and Security**
- Funding Technology
- Key Messages
- Resources

## Goals

- Update CSD stakeholders
- Discuss feedback and 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

- Competing priorities
- Limited resources
  - Time
  - Budget
  - People
- Items prioritized based on...
  - Impact on student learning
  - Urgency of need
  - Resource availability
  - Complexity of implementation
- COVID 19: Impact on budget and timelines



# 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

- Access to personalized learning tools: Imagine Learning expanded to all students. Usage is monitored.
  - Success criteria goals, aside from usage metrics, still TBD.
- Student device access currently at [levels per the Tech Plan for 2019-20](#)
- Support implementation of new digital curriculum, assessments, and tools
  - Fast Bridge Universal Screener Assessment (ELA/Math/Social Emotional)
  - Benchmark Advance ELA Curriculum (TK-5)
  - Houghton Mifflin Collections (6-8) ELA Curriculum.
  - PowerSchool Gradebook (6-8)
  - Professional development provided on district inservice days, Wednesdays, and self-paced online through Alludo
  - Evaluating additional support needs and success criteria.



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



## Successes (cont)

- Formative and summative assessment support:
  - *English Language Proficiency Assessment for California* (ELPAC) assessment online this year\*
  - Support CAASPP *Interim Assessment Block* formative online assessments (ELA, Math)\*
  - Support CAASPP *summative assessments* (ELA, Math, Science)\*
  - Support for *Fast Bridge Universal Screener* for ELA, Math, Social/Emotional
- Student data privacy app database: [App Responsibly!](#)
  - Process for vetting classroom digital tools
  - Staff trained in Fall
  - Database made public





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



## In Progress

- Digital Citizenship:
  - Teacher professional development with a focus on student data privacy and parent communication held in Fall.
  - Presented updated [Common Sense Media Digital Citizenship Curriculum](#) to the Curriculum, Instruction, and Assessment Committee in January
    - Forming subcommittee to integrate complete curriculum in 2020-21.
  - Integrating digital citizenship successful learner behavior rating on student report cards in 2020-21.
- [GenYes](#) Pilot: Empower students to support teachers with tech integration
  - 2nd year of implementation in single class at Price. Offered to Steindorf.
  - Limited capacity to implement
- Continue supporting existing digital tools and investigating requests for new ones as needed.



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



## In Progress (cont)

- Maker Learning
  - Sites vary from dedicated space/teacher to dedicated Maker Learning events at regular times during year.
  - Funded mainly through Home and School Club
  - Staffing and space is problematic for some sites (when balanced against other needs and existing resources)
- Alignment of site Local Control and Accountability Plans (LCAPs) and Tech Plan
  - Quarterly meetings with site principals to review needs and progress
- MTSS district teams data monitoring needs
  - All sites now using common format to record student intervention data. Next step:
    - Create repository in Illuminate (district student data repository)
    - Create dashboard that makes data easily accessible.



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



## Challenges/Areas for Growth/On Hold

- ◉ Framework for evaluation of digital tool effectiveness still preliminary
- ◉ Adopt [CSD Technology Skills Scope and Sequence](#) (CSD TSSS)
  - ◉ On hold - competing priorities with other new curriculum/standards
- ◉ Student Passion Projects
  - ◉ On hold - competing priorities with other new curriculum/standards
- ◉ Digital Accessibility Strategies Toolkit: multiple ways for students to demonstrate their learning
  - ◉ On hold - competing priorities with other new curriculum/standards



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



## Looking Forward: Priorities for Recommended Inclusion in 2020-21 CSD LCAP\*

- ◉ Evaluating Effectiveness of Digital Tools in the Classroom
  - Create preliminary framework and process for evaluation of digital tools
  - Cost: \$1,000 for teacher release time
  
- ◉ Implementation of [Digital Citizenship Curriculum](#) grades TK-8
  - Plan the rollout
  - Cost: \$1,000 for teacher release time
  
- ◉ Data Dashboard
  - Use internal tool (Illuminate)
    - Continue consolidation of student data to single portal (Illuminate)
    - Improve ease-of-use and access
    - Incentivize/empower teachers to use

\*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

- Digital professional learning platform and online forum to share best practices and personalize “just in time” learning for all staff.
  - Alludo Professional Learning Platform: *Cambrian Compass*
  - Initial content creation in Spring 2019 for District-wide PD: Jun 12, 2019
  - Fall 2019 Content added includes:
    - New Employee Training, ELA Digital Curriculum (K-5), Digital Citizenship, PowerSchool Gradebook (6-8), Fast Bridge Universal Screener Assessments (TK-8), Impero EdPro classroom device management (TK-8)
  - District-wide *World Series* learning competition in Oct.
  - Incorporated *Contributor Mission* to allow the addition teacher-created content



# Initiative 2: Instructional Practices and Professional Learning



## Successes (cont)

### Professional development

- Digital Citizenship: Student Data Privacy and Parent Communication
  - Completed collaboratively on Oct 30 Wed afternoon PD
- Cambrian Compass *World Series* professional learning competition
  - Voluntary, District-wide (Month of Oct)
  - Incentivize learning and use of the platform as a resource
  - 4 out of 6 sites exceeded 75% participation; all sites exceed 50% participation
- Distance Learning Technologies
  - Google Meet
  - Google Classroom
  - Kami (PDF Annotation)
  - Screencasting



# Initiative 2: Instructional Practices and Professional Learning



## **Successes (cont)**

### Professional development (cont)

- Fast Bridge Universal Screener rollout (TK-8)
  - Alludo Mission and site visits during Wed afternoon meeting times
- PowerSchool Gradebook rollout (6-8)
  - Alludo Mission, optional Wed afternoon meeting (teacher choice)
- Benchmark Universe/Houghton Mifflin Collections (ELA curriculum) (TK-8)
  - Alludo Mission (Benchmark) for early adopters, followed by Nov 1 and Jan 29 district-wide PD Days
- Google Apps/G Suite
  - Training for Classified office staff and aides in the Fall and Winter





## Initiative 2:

# Instructional Practices and Professional Learning



### In Progress

- Student device and account monitoring/management
  - Impero EdPro
  - Rolled out to early adopters in Fall
    - Limited to Chromebooks for early adopters
  - PD developed
  - Opened access for teachers beyond early adopters in Winter 2020
  - General rollout 2020-21



## 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 → Create and deliver training.
  - Introduction of new content including new ELA curriculum and new Social Emotional Learning curriculum prioritized higher
  - On hold
- Technology and Innovation Fellowship Program
  - Contract language precludes converting Sysop roles to Technology and Innovation Mentors (TIMS)
  - Limited funding and time prevented additional progress



## Initiative 2:

# Instructional Practices and Professional Learning



### Looking Forward: Priorities for Recommended Inclusion in 2020-21 CSD LCAP\*

1. Professional development focus for teachers
  - Three areas
    - Effective use of technology in the classroom (TK-8)
    - Explicit, consistent teaching of digital citizenship (TK-8)
    - Impero EdPro classroom device management (TK-8)
  - Assumes PD happens on Wednesdays or inservice days
2. Technology and Innovation Fellowship Program
  - Identify funds and one teacher per site as a TIMS
  - Support teachers around item #1 above
  - Cost: \$18,000 (based on existing Sysop stipend of \$3K)
3. Continue Alludo: Cambrian Compass as a primary vehicle for professional learning

\*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

- Student Device Ratios
  - Meet Tech Plan [ratio recommendations for 2019-20](#)
  - Board resolution passed to fund full Tech Plan recommendations 2020-21
- Evaluated PK -1 preferred device → iPad
- [Classroom standard tech](#) procured for all classrooms.
  - Replacement of aging devices built into Board approved spending plan
- District switches replaced
- Wireless access points purchased, replacement schedule for summer
- Board approved a [technology infrastructure spending plan](#) for 2020-21 on Jan 29, 2020



# Initiative 3: Infrastructure, Hardware, and Security



## In Progress

- ◉ Inventory Management
  - Student device inventory system in place.
  - End to end process around requesting, procuring, receiving donations, inventory control and disposal of technology tools and devices in development.
- ◉ Continue to support and improve district-wide communication tools and website to meet the needs of our community
  - Review feedback from CSD Communications and LCAP surveys in Spring 2020



# Initiative 3: Infrastructure, Hardware, and Security



## In Progress (cont)

- Ensure students and staff have access to the necessary internet connectivity
  - Network switches upgraded at all sites and district office
  - Two (Bagby, Price) of six site DHCP servers replaced
  - Replacement of remaining EOL equipment: four servers and backup power supplies delayed one year until 2020-21.
  - Board approved a [technology infrastructure spending plan](#) for 2020-21 on Jan 29, 2020
- Continue to support and improve district-wide communication tools and website to meet the needs of our community
  - Blackboard trainings have been held with staff and parent volunteers editors in Fall.
    - Including accessibility "cheat sheet"
  - To do: Document website and notification support plan and eval/review cycle.



# Initiative 3: Infrastructure, Hardware, and Security



## Challenges/Areas for Growth/On Hold

- ◉ Improve efficiency/consistency of remote support processes and mobile device management (MDM) software for running updates, securing devices, troubleshooting and enforcing policies.
  - District device management system still to be reviewed and updated
- ◉ Replacement of remaining EOL infrastructure equipment critical to avoid disruptions to student learning and district operations





# Initiative 3: Infrastructure, Hardware, and Security



## Looking Forward: Priorities for Recommended Inclusion in 2020-21 CSD LCAP\*

1. Execute Board-approved [technology infrastructure spending plan](#)
  - Cost: \$853K - already budgeted from an investment fund (not general fund)
2. Complete needs analysis and update for cloud-based district mobile device management implementation
  - Includes G-Suite auditing of student activities
  - Cost: \$12K/yr
3. Update device inventory systems with cloud-based solution
  - Cost: \$7-8K/yr
4. Evaluate/review current district web and communication tools

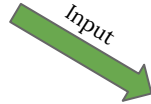
\*Local Control and Accountability Plan: The LCAP is the district plan for programs and services.



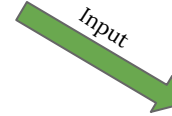
# Funding Technology

## Yearly Budget Process

**Cambrian Technology  
Plan**  
Recommendations



**Local Control and  
Accountability Plan  
(LCAP)**, the district/site  
plans for programs and  
services



**Cambrian School  
District Budget**  
[\(Budget At-A-Glance\)](#)



# Funding Technology

## **Cambrian Technology Plan**

Sustaining Over  
the Next 5 Years

Alignment with site  
**Home and School  
Clubs** budget  
priorities

**2020-21 Technology spending  
recommendations have been  
approved**

- Board-approved [technology infrastructure spending plan](#)
- Cost: \$853K - already budgeted from an investment fund (not general fund)

Investigating  
**Technology/  
Infrastructure  
Bond**

Align **Cambrian  
Educational Foundation**  
fundraising with Tech Plan

**Cambrian School  
District Budget**  
([Budget At-A-Glance](#))



# Key Messages Moving Forward



- **Initiative 1 Priorities**
  - Evaluating Effectiveness of Digital Tools in the Classroom
  - Implementation of [Digital Citizenship Curriculum](#) grades TK-8
  - Data Dashboard
  
- **Initiative 2 Priorities**
  - Teacher PD: Effective use of technology, digital citizenship, classroom device management
  - Technology and Innovation Fellowship Program
  - Continue Alludo: Cambrian Compass professional learning platform
  
- **Initiative 3 Priorities**
  - Execute Board-approved [technology infrastructure spending plan](#)
  - Cloud-based district mobile device management implementation
  - Cloud-based device inventory system
  - Evaluate/review current district web and communication tools
  
- **COVID 19 will continue to impact timeline and budget**

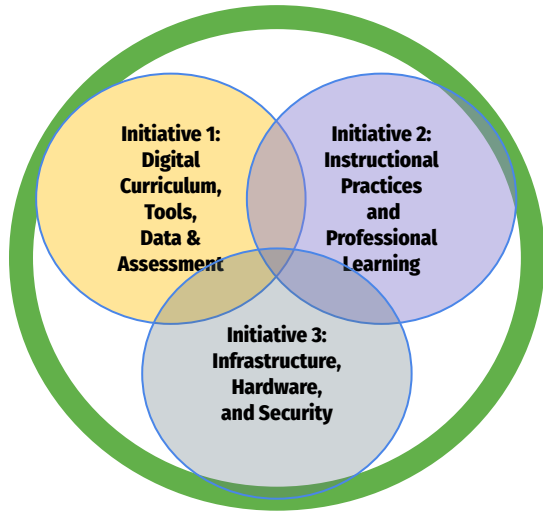


# Resources

- ◉ [CSD Technology Plan](#)
- ◉ [Status of CSD Technology Goals 2019-20](#)
- ◉ [CSD Technology Skills Scope and Sequence](#)
- ◉ [Board-approved Technology Infrastructure Spending 2020-21](#)
- ◉ [District Budget At-A-Glance](#)



# CSD Technology Plan Update



Thank  
you!