



# CSD 2019-2024 Technology Plan Annual Update Cambrian School Board



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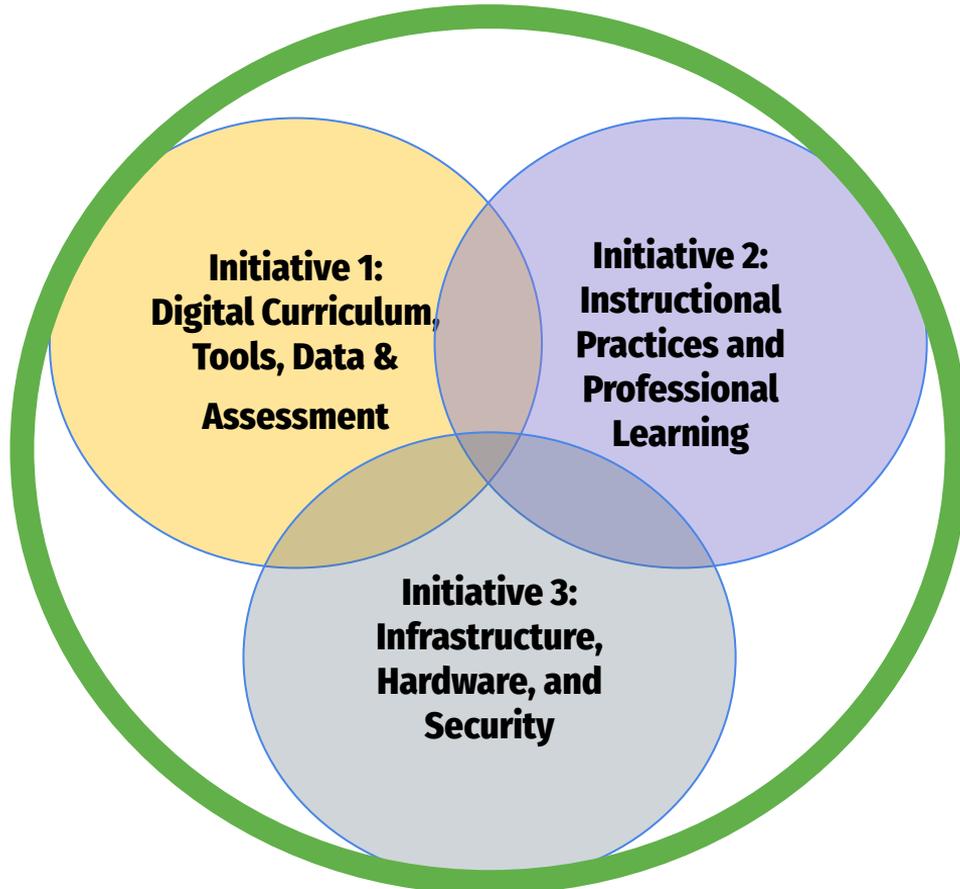
April 15, 2021

# Agenda

- CSD Technology Plan Overview
- Rating Progress
- Updates
  - **Initiative 1:** Digital Curriculum, Tools, Data and Assessment
  - **Initiative 2:** Instructional Practices and Professional Learning
  - **Initiative 3:** Infrastructure, Hardware and Security
- Stakeholder Feedback
- Moving Forward
- Technology Funding (Measure R and General Fund)
- Resources



# CSD Technology Plan Overview



- [CSD Technology Plan](#) contains three initiatives and spans five years. Currently in year two.
- 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: Distance Learning
- 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



## Successes

- Support implementation of new digital curriculum, assessments, and tools - distance learning!
- Formative and summative assessment support
- Vet classroom digital tools for student data Privacy: [App Responsibly!](#)



## In Progress

- Continue **supporting existing digital tools** - evaluating Effectiveness in progress
- Digital Citizenship:** Integrated [Common Sense Media Digital Citizenship Curriculum](#)



## Early Stages/On Hold

- Maker Learning:** On hold - COVID-related
- Framework for evaluation of digital tool effectiveness** still preliminary





# Initiative 2: Instructional Practices and Professional Learning



## Successes

- **Digital professional learning platform:** Year 2:  
Alludo Professional Learning Platform: *Cambrian Compass*
- **Professional Development: Teacher choice, teacher-led**
  - Summer Study Groups, Digital Citizenship Curriculum PD



## In Progress

- Mechanism to **monitor digital activity in class:**  
Impero EdPro
  - **Filtering/monitoring off premises:** In progress



## Challenges/Areas for Growth/On Hold

- Technology and Innovation Fellowship Program:  
**Technology and Innovation Mentors (TIMS)**





# Initiative 3: Infrastructure, Hardware, and Security



## Successes

- **Student Device Ratios:** Met Tech Plan [ratio recommendations for 2020-21](#)
  - [5-year plan](#) to fund 1:1 student:device ratio grades 2-8
- [Classroom standard tech](#) procured for all classrooms.
- **Access to the necessary Internet connectivity**
  - District WiFi Updated; Distance Learning: Provided +2500 student devices



## In Progress

- **Review network security infrastructure.** Make recommendations
- Continue to support and improve **communication tools**
- **Cloud-based filtering and auditing**
  - Onsite solution in place; Evaluating off-premises solution



## Challenges/Areas for Growth/On Hold

- **Improve efficiency of remote support** processes and mobile device management (MDM) software





# Stakeholder Feedback and Priority Alignment



- **CSD LCAP Survey (Feb/Mar 2021) - Tech Highlights**
  - **High priority** (as compared to other services/initiatives)
    - Basic tech services
    - School-family communication
  - **Medium priority** (as compared to other services/initiatives)
    - More/better access to tech (e.g. student devices)
  
- **Tech Plan Annual Review (March 2021) Highlights**
  - Overall positive, with general agreement on next steps
  - **Data Dashboard** for teachers important to improve data-driven decision making
  - Emphasis on the value of a **Technology and Innovation Fellowship Program**
  - Stakeholder ranking of **progress on “Maker Learning” and “Digital Tools Eval” varied**
  - Providing **student-run IT help system** is a win/win
  - **Areas for improvement**
    - Remote updates
    - Remote monitoring/filtering of student devices



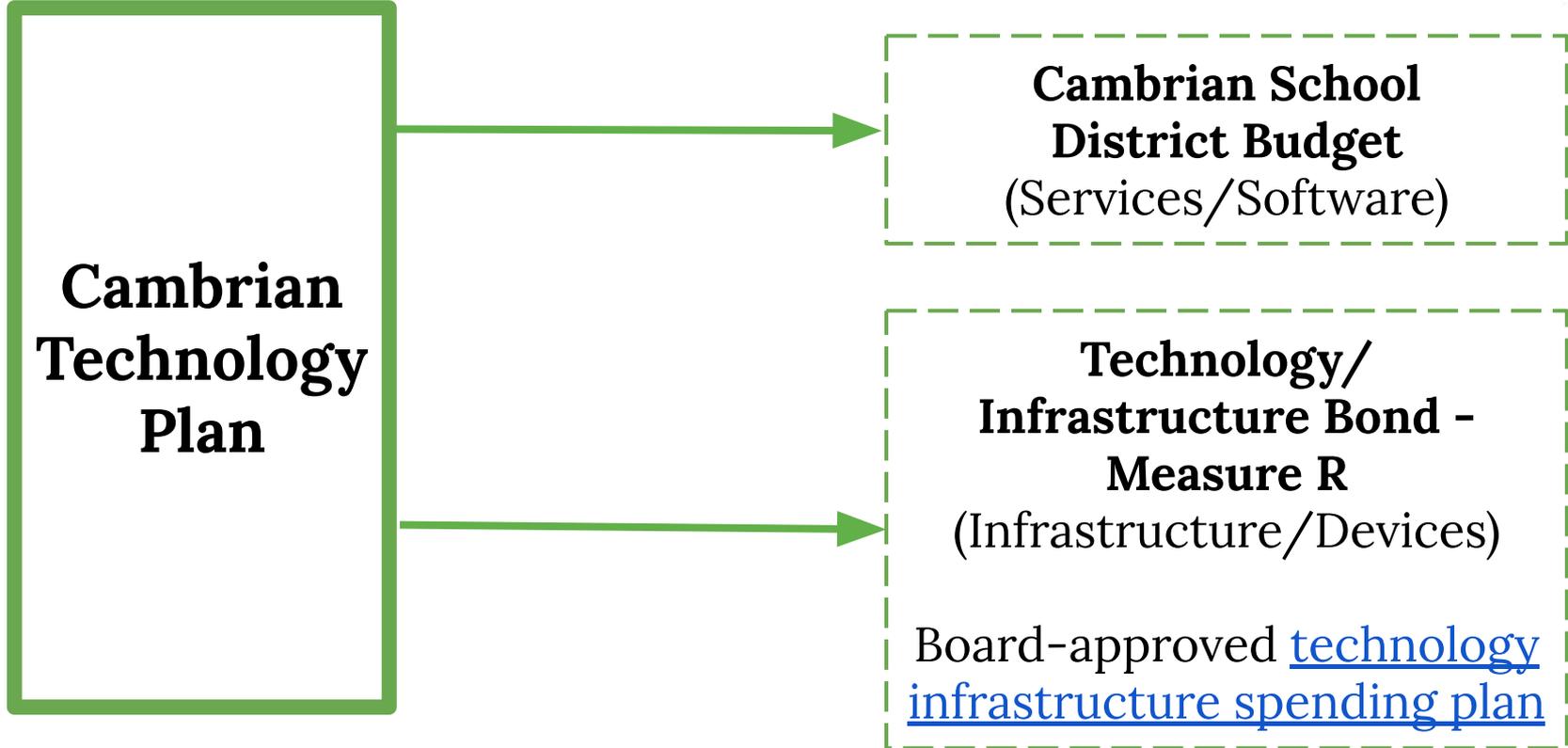
# Moving Forward 2021-22: Key Priorities



- **Initiative 1 Priorities: Digital Curriculum, Tools, Data & Assessment**
  - Evaluating Effectiveness of Digital Tools in the Classroom
  - Implementation of Year 2 [Digital Citizenship Curriculum](#) grades TK-8
  - Progress Monitoring/Dashboard
  
- **Initiative 2 Priorities: Instructional Practices and Professional Learning**
  - Focus for Teacher PD:
    - Effective use of technology, digital citizenship, classroom device management
  - Pilot: Technology and Innovation Fellowship Program
  - Continue Alludo (self-paced professional learning platform) and leveraging in-house expertise
  
- **Initiative 3 Priorities: Infrastructure, Hardware, and Security**
  - Execute Board-approved [technology infrastructure spending plan](#)
  - Off-premises cloud-based filtering and auditing
  - Implement 1:1 Chromebook Grades 2-8
  - Evaluate and pilot Device Take Home Program Gr 6-8
  - Complete the review of network security infrastructure and implement recommendations



# Funding Technology: Sources





# Funding Technology: Infrastructure/Devices\*



Item	2021-22	2022-23	2023-24	2024-25	2025-26	
<b>Maintain Classroom Standard Teaching Equipment</b>	\$61K	\$10K	\$18K	\$18K + \$160K***	\$160K*** + \$325K****	***Replace 200 staff laptops over 2 years. Purchased 2018-19. ****Replace teacher and district desktops if needed (currently desktops are donated)
<b>Maintain/Improve Infrastructure</b>	\$6K	\$6K	\$6K	\$22K	\$32K**	**4 servers purchased 2019. EOL 5 years.
<b>Maintain Student Devices</b>	\$157K	\$91K	\$59K	\$43K	\$368K	- Chromebooks: 1:1: Gr 2-8 - iPads: 3:1: Gr PK-1 - Take Home for Gr 6-8
<b>Total</b>	<b>\$224K</b>	<b>\$107K</b>	<b>\$83K</b>	<b>\$243K</b>	<b>\$885K</b>	<b>Total 5 Yr Expenditure: \$1,542K</b>

\*Funded by Measure R Bond. Based on January 21, 2021 Board-approved [technology infrastructure spending plan](#) (Thank you to our community for passing Measure R!)



# Funding Technology: Services/Software\*



Item	Annual Cost	Notes
<b>Information and Data Systems</b> (Appendix E in Tech Plan)	\$179K	Includes student information and assessment systems, business management systems, library, absence reporting, device management.
<b>Other Centrally Managed Technological Resources</b> (Appendix F in Tech Plan)	\$296K	Includes Website, inventory tracking, firewall/filter, backup/restore services, anti-virus/malware service, phone service, internet access, food service, etc.
<b>Total</b>	<b>\$475K</b>	

\*Based on January 2021 update of [Technology Plan Appendices](#)

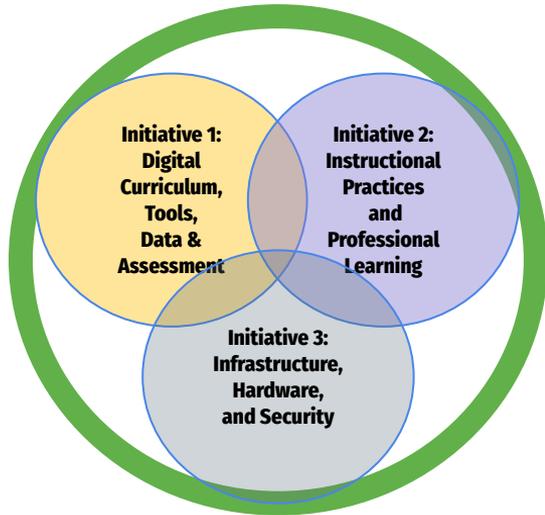


# Resources

- ◉ [CSD Technology Plan](#)
- ◉ [Board-approved Technology Infrastructure Spending Plan](#)
- ◉ [Technology Task Force Annual Review](#) of CSD Technology Plan



# CSD Technology Plan Update



Thank  
you!