

2019-2020

Technology and Information Services

Technology Plan 2019 - 2022

August 21, 2019

2015 CUSD Tech Plan

Chromebooks in every classroom in fourth and fifth grade, middle school math and english class

Adopted and trained in a more robust and reliable mass messaging system for more clear communication with our community

Largest certified

certification.

Transitioned Aeries, student information database system, to web-based system

Office-365 Migration

our of code at all schools

Virtualized computer resources for increase in efficiency, reduction of cost, and reduced carbon footprint

Changed network topology to a mesh business system to network resiliency

ces, payroll, and purchasing

successful years of SPP testing on

Over 80% of families on parent portal

Achieved and maintained a 99% network uptime

Replaced every printer in the district

parts at

Resolved 78,365 technology support (RADAR) tickets

Digital literacy to the elementary school report card in kindergarten through fifth grade.

replaced from traditional analog phones to 4239 Voice Over Internet Protocol (VOIP)

Stakeholder Meetings

- ASB executive counsel
- LCAP committee
- ANHS
- Del Obispo Elementary School
- Ladera Ranch Middle School
- Technology Advisory Committee
- School Principals
- District Instructional Leadership Team
- Cabinet

2019-2020

**Education Services
Student Support Services**

Textbook Adoption & Chromebook Budget Overview

July 17, 2019

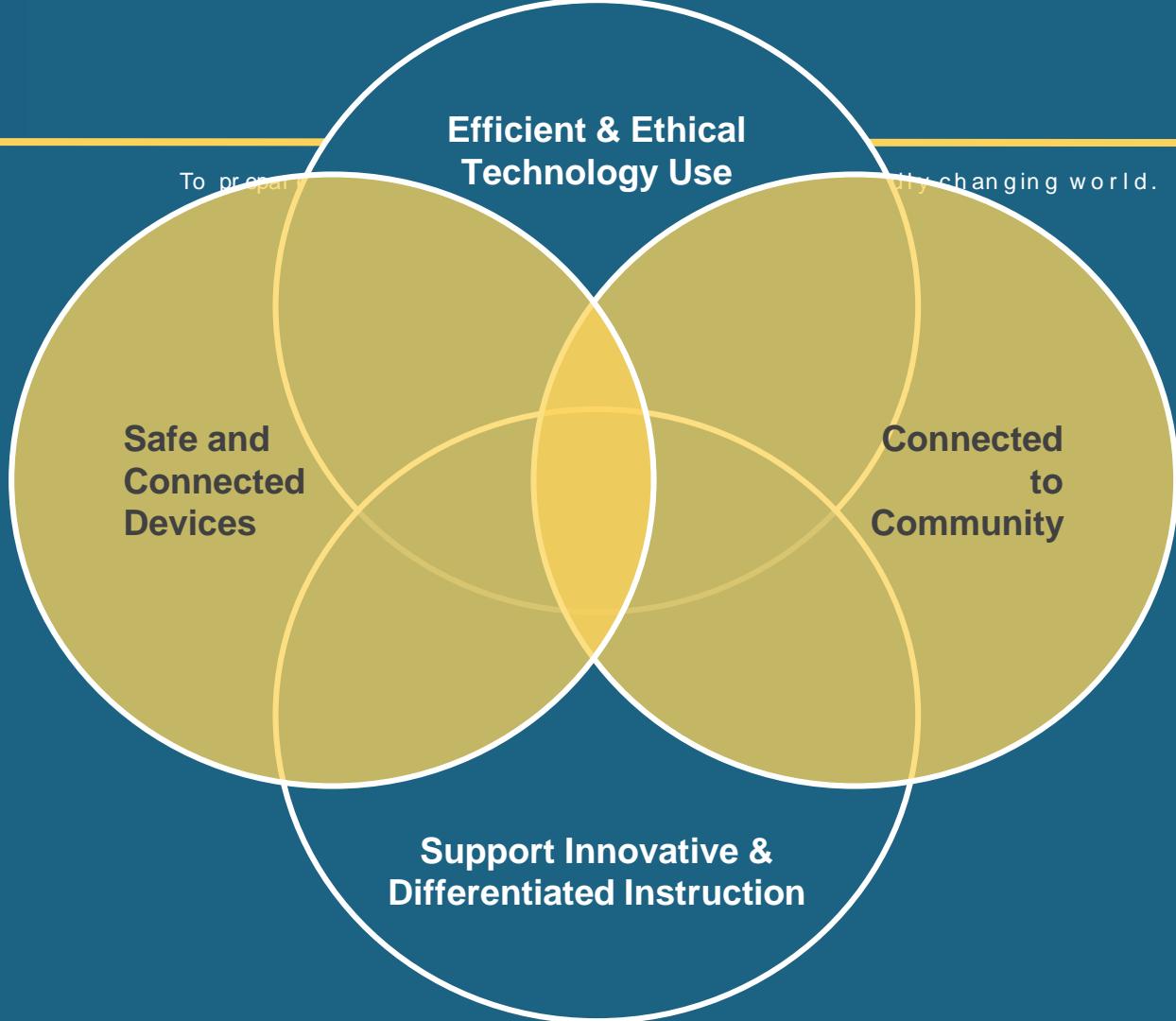
Average Cost Per Year

Textbooks → \$4.8M

Technology → \$1.9M

Chromebooks → \$3.3M

Total → \$5.2M



Modern Classroom

To prepare our students to meet the challenges of a rapidly changing world.

Efficient & Ethical Technology Use



Technology Standards

2014 - Common Core Digital Literacy Skills

- 88 curriculum integrated skills

2017 - Information Literacy and Digital Citizenship
officially added to the Elementary Report Card in
CUSD

Efficient Use

- Goal 1: Continue to support students by teaching digital literacy in our curriculum



Efficient Use

- Goal 1: Continue to support students by teaching digital literacy in our curriculum
- Create four exemplar lessons for each elementary grade level
- Align lessons to new curriculum adoptions
- Train teachers at each of our schools on the integration of technology

Ethical Use

- Goal 2: Support a culture of ethical digital citizens.



**Certified District
Digital Citizenship
2016-2017**

**common sense
DISTRICT**



2017-2018

Committed to creating a culture of digital learning and citizenship.

Ethical Use

- Goal 2: Support a culture of ethical digital citizens.

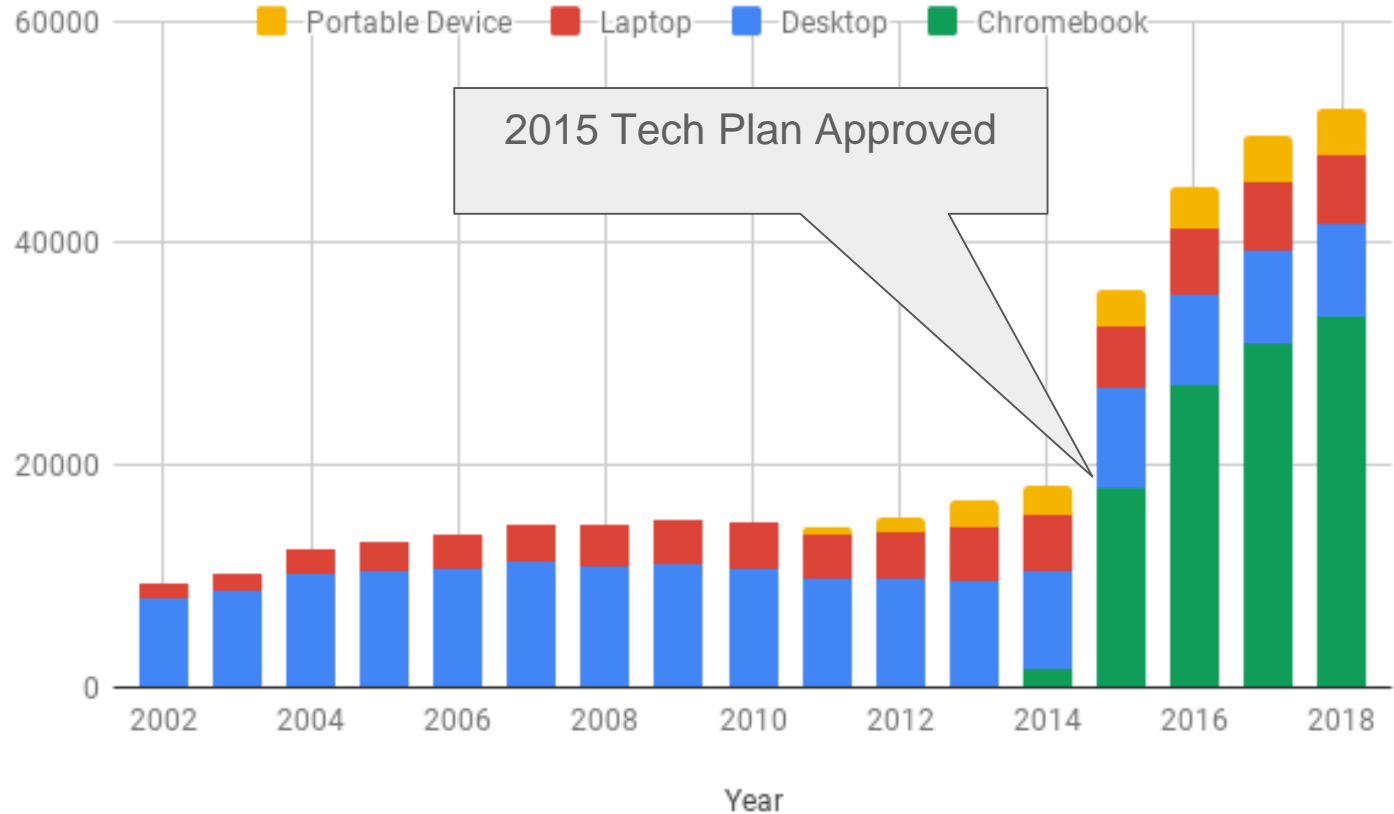
- Achieve CommonSense Education Certification every year
- Continue to develop and promote teacher and student homepages
- Support and offer parent outreach on digital citizenship district-wide
- Connect Digital Citizenship curriculum with Social Emotional Learning curriculum

To prepare our students to meet the challenges of a rapidly changing world.

Safe and Connected Devices

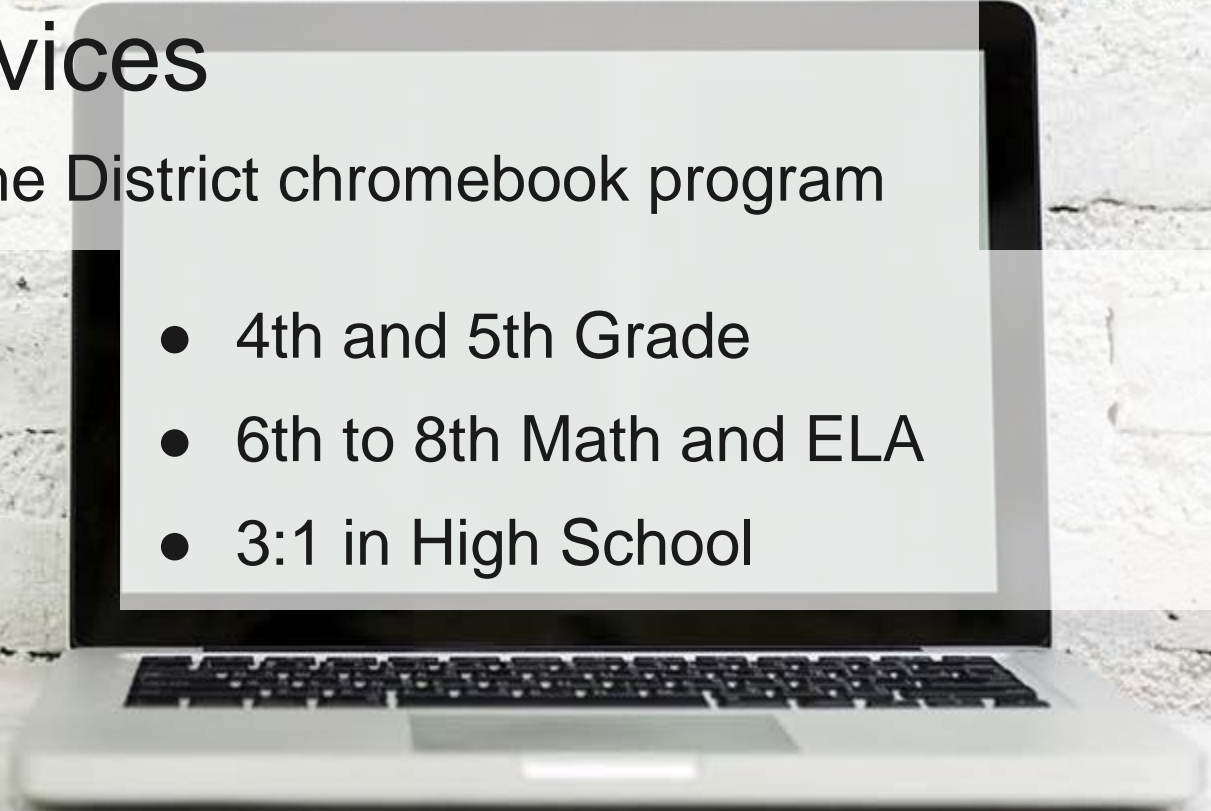


Devices in CUSD by Year




Connected Devices

- Goal 3: Maintain the District chromebook program
 - 4th and 5th Grade
 - 6th to 8th Math and ELA
 - 3:1 in High School



Connected Devices

- Goal 3: Maintain the District chromebook program
 - Refresh the chromebook standard
 - Train all teachers who utilize chromebooks
 - Develop and implement hybrid/online badging courses for professional learning

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- Efficient, Safe, and Reliable
 - Safe and Secure internet connected school sites.

Safe and Connected

- Goal 4: Support innovative and safe learning environments.

Safe and Connected

- Goal 4: Support innovative and safe learning environments.
 - Disaster Recovery
 - Business Continuity
 - Maintain Network Infrastructure
 - Increase Network Security

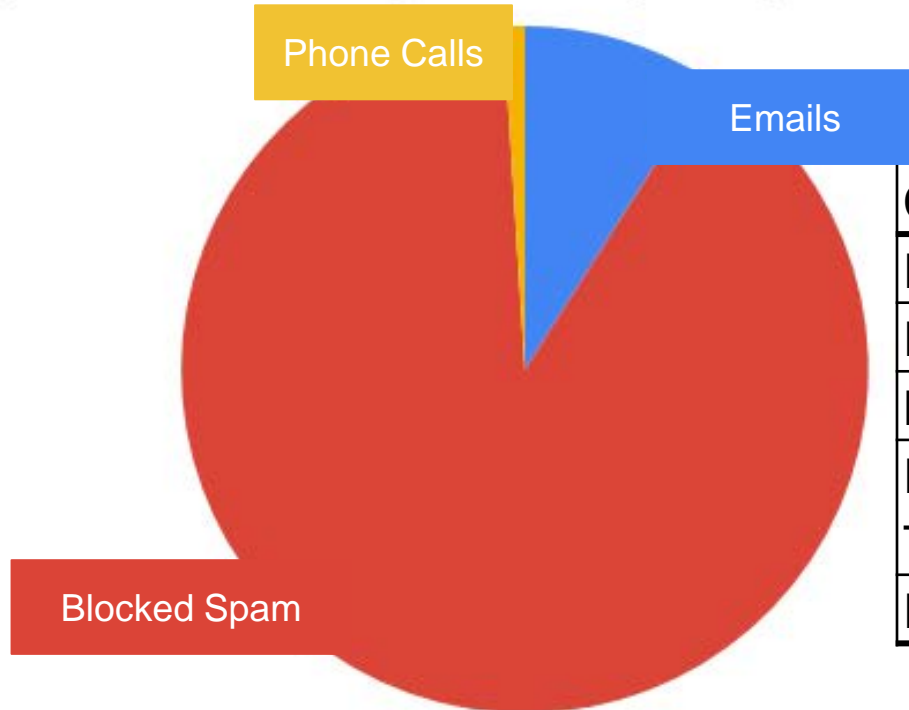
- Access Points
 - Switches (access and core)
 - Data Center
 - Disaster Recovery
 - Business Continuity
 - Firewall
 - Filter
 - Network access controller
- Servers (virtual and physical)
 - Endpoint protection
 - Network monitoring
 - Routers
 - Storage
 - Device management
 - Email retention

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Connected to Community



Average Communication per Person per Day in CUSD



Communication Category	Total
Emails	36,883,891
Emails per day (avg)	33,684
Blocked spam	297,638,068
Related RADAR Tickets	143
Phone Calls per Month	17,328

Connected to Community

- Goal 5: Continued support and advancement of district communication media.

Text Message

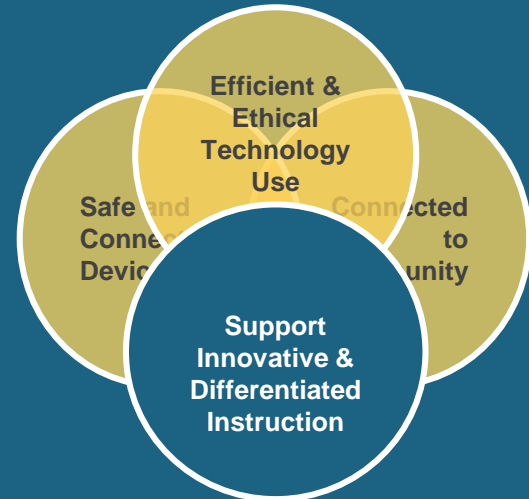
Social Media

Websites

Communication Type	Messages Sent
Phone	1,871,799
Email	9,330,236
Total	11,202,035

To prepare our students to meet the challenges of a rapidly changing world.

Support Innovative and Differentiated Instruction



To prepare our students to meet the challenges of a rapidly changing world.



Differentiated Instruction

- Goal 6: Support access and use of research based, digital, learning programs for MTSS
- Initiate TAC as a professional learning community to vet new supplemental programs
- Review data of programs on an annual basis
- Integrate program goals into the Site Plan for Student Achievement (SPSA)

Innovative Classrooms

- Goal 7: Update and implement the model of innovative classrooms.
- Site Technology
- Up to date technology for teachers, including laptops, projectors, and document cameras.
- Up to date devices for admin and support staff.

Centers for Student Innovation

- Goal 8: Support student learning spaces to foster innovation, creativity, engineering, and design.



Centers for Student Innovation

- Goal 8: Support student learning spaces to foster innovation, creativity, engineering, and design.
- Support innovative learning through green screen, robotics, and builder tools
- Connect Innovation Labs with curriculum, including ELA, math, NGSS, and STEM education
- Continue to support the e-sports programs and other innovative, student-driven clubs around CUSD



Thank you.

Questions.