



INFORMATION SYSTEMS

995 W. Beardsley Place
Salt Lake City, Utah 84119

p 801.578.8224
f 801.578.8442

Date: February 26, 2025
To: SLCS D Board of Education
Elizabeth Grant, Superintendent
Alan Kearsley, Business Administrator
From: Sam Quantz, Chief Information Officer
Subject: 1:1 Student Devices

Summary:

On September 6, 2022, the board of education approved funding for a 1:1 student technology initiative. This report is an update of this initiative.

Requested Board Action:

None



1:1 Student Devices Update

Sam Quantz

Chief Information Officer

Salt Lake City School District



Previously Approved

The budget needed to support a 1:1 student-to-computer initiative for the first two years is as follows:

- \$4,659,200 to purchase 10,400 student laptops (5,200 each year).
- \$794,146.56 to hire 4 additional school technicians (\$397,073.28 annually).
- \$930,219.84 to hire 3 additional network services administrators (\$465,109.92 annually).
- \$452,420.16 to hire 2 additional digital learning coaches (\$226,210.08 annually).
- Extending classroom to homes via Internet
 - \$1,000,000 to build a district-wide private LTE network (one-time); then \$200,000 annually to maintain; OR \$320,000 annually to purchase (1,800 hotspots and comcast connections).

The budget needed for years 3 -5 is the same as years 1-2. After year five the budget would drop to:

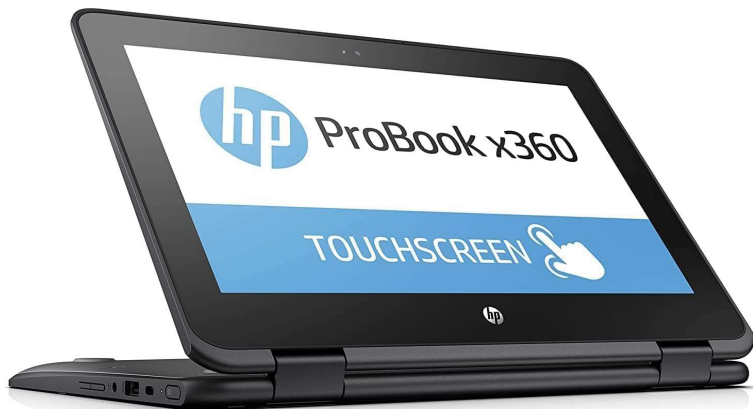
- \$1,971,200 annually to purchase 4,400 devices.
- \$397,073.28 annually for 4 school technicians.
- \$465,109.92 annually for 3 network services administrators.
- \$226,210.08 annually for 2 additional digital learning coaches.
- Extending classroom to homes via Internet
 - \$200,000 annually to maintain district private LTE network; OR \$320,000 annually to purchase (1,800 hotspots and Comcast connections).



Student Devices

Approved Student 1:1 Devices

- HP ProBook x360 (running MS Windows)
- Apple iPad for special education students as indicated in IEP





Student Devices, cont.

2022-23 (Esser Funds)

- Purchased 5,200 - \$2,228,200

2023-2024 (Esser Funds)

- Purchased 5,200 – \$2,259,400

2024-2025 (Esser Funds) – Purchased early due to expiring Esser funds

- Purchased 4,400 - \$2,050,400

Do not anticipate another 1:1 order until February 2026



1:1 School Guidance

Base technology models

*(A base technology model is the maximum amount of technology that can be supported by the I.T. staff.
Please see the next section for information about going above the base model)*

Elementary Schools

- 1 – Laptop for each student in kindergarten and up, provided by I.T.
- 2 – computer labs (includes library), purchased by schools.
- Maximum number of student laptops is enrollment plus 20%.
- Maximum number of student desktops: 80, purchased by schools.
- Laptops that are used as lab devices instead of laptops will count in the maximum desktop count.
- iPads are included in the school's overall base technology model and will be counted in the maximum desktop count.

Middle Schools – Same model except 4 labs.

High Schools – Same model except 10 labs.



1:1 School Guidance, cont.

School Information

October 1 Student Count	Student Laptop Count (Provided by IT)	Student Laptop Count (Purchased by School)	Student Laptop Count (Purchased by CTE)
484	586	0	0
iPad Count	Student Desktop Count	Staff Device Count	Staff Count
46	27	75	71

Base Technology Model

(A base technology model is the maximum amount of technology that can be supported by the I.T. staff without additional support costs)
[View 1:1 Guidance Document for Details](#)

1:1 Student Laptop Allocation	Current Total Student Laptops	Current Total Student Devices	Maximum Number of Devices
532.4	586	659	660.8



Current 1:1 Inventory*

23,525 working
student laptops

436 lost

345 damaged

*Numbers do not include charter schools, Horizonte, or Innovations



Enrollment vs. Inventory

- All schools have at least one device per student. All but two schools have 10% more devices than one device per student.
- Schools may request additional devices if they do not have enough
- Most schools have more total student devices (1:1 plus additional devices) than specified in their base allocation.



Usage

TIME RANGE Last 28 days	START DATE 01/28/2025	END DATE 02/24/2025	APP All Apps
SCHOOLS All Schools	GRADES All Grades	USERS Students x	UNITS Absolute

Key Metrics

Usage by scoped users ?

72.8%
Students

39.8%
Teachers

Unique users ?

14.2K
Students

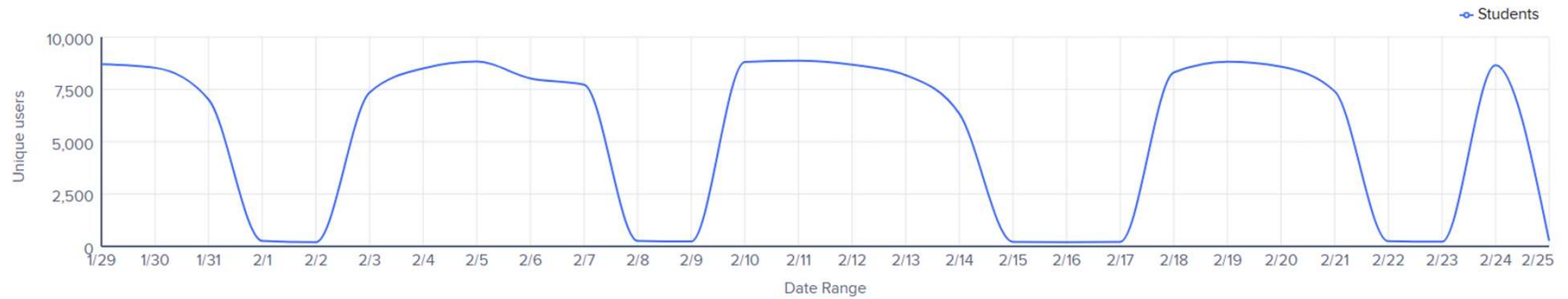
1K
Teachers

Total logins ?

641.4K
Students

35.3K
Teachers

Daily Unique Users ?



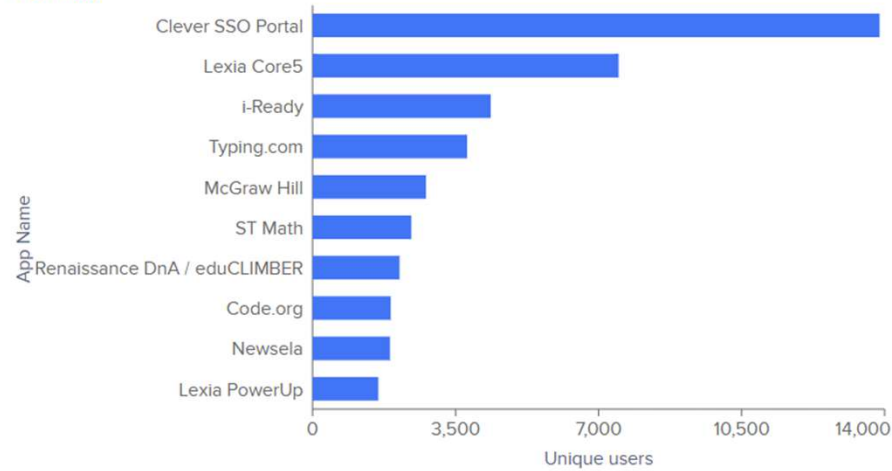


Usage

Logins by App (Top 10) ?

Descending Ascending

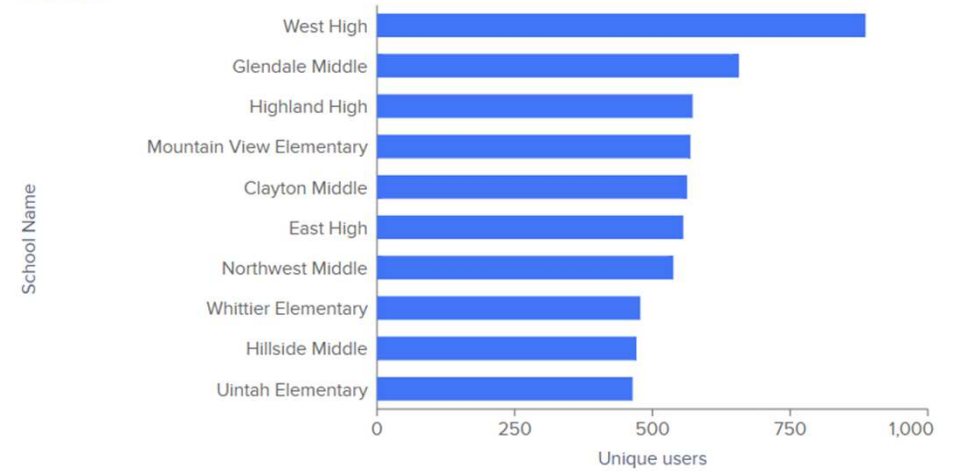
[View more](#)



Logins by School (Top 10) ?

Descending Ascending

[View more](#)



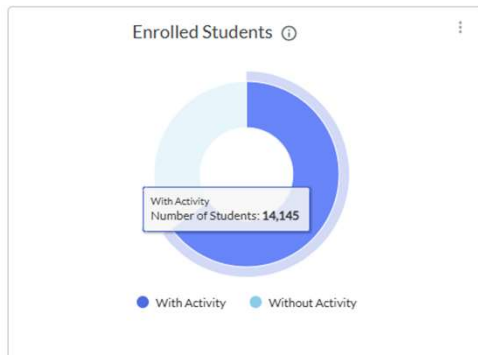


Usage

Usage by Additional Resources

Link 	Unique users 
slcschools.instructure.com	4,889
powerschool.slcschools.org/public	2,587
nearpod.com/student/	1,957
soraapp.com/welcome/login/202227	1,825

Canvas Usage





Usage

TIME RANGE
Custom dates

START DATE
02/17/2025

END DATE
02/21/2025

APP
All Apps

SCHOOLS
All Schools

GRADES
All Grades

USERS
Students

Key Metrics

Unique users

11.6K
Students

727
Teachers

Total logins

107.7K
Students

5.8K
Teachers

Logins by App (Top 10)

Descending Ascending

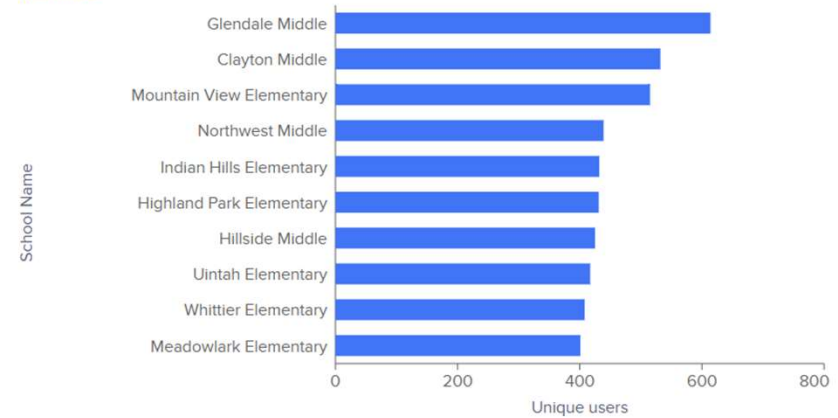
[View more](#)



Logins by School (Top 10)

Descending Ascending

[View more](#)





Device Purchase Cycle

- There are three categories of purchases
 - 1:1 Devices
 - Once per year.
 - Teacher Devices
 - Funded from a grant and will occur once per year.
 - Everything else (staff computers, labs, support systems, etc.)
 - Due to technology capital outlays being consolidated, the Board of Education will see more purchases because we purchase in bulk and the amounts more frequently reach \$50,000.



Approved Software



Software Approval
Process



All staff can submit
software for review and
approval

Software Approval Statistics

407 Approved

43 Duplicate Request
(already on the approved list)

63 Denied for data privacy
concerns or unsupported
software



Additional Staff



Additional IT and Digital Learning staff have been hired.



We have downsized school technician staff from 17 to 16 through attrition.



Private CBRS Network Project

- Built and tested a private Citizens Broadband Radio Service (CBRS) network in the Glendale area.
- Testing proved that CBRS signal did not penetrate homes adequately
- Project ended



Student Hotspots

- Previously had 1,500 hotspots
- Reduced to 200 hotspots based upon demand