Utah Public Schools

Computing Devices per Student

Utah district and charter schools average

0.61

computing devices per student.

Utah schools average

0.58

Wi-Fi access points per classroom or instructional space.

Computing Devices Used in Schools	Statewide Total for Student Use	Statewide Total for Teacher or Administrator Use
Desktops Using Windows OS	108,114	28,238
Laptops Using Windows OS	45,680	9,587
Mac Desktops	23,381	3,826
Mac Laptops	27,218	11,640
Google Chromebooks	90,772	1,508
Windows Tablets	1,196	257
Android Tablets	4,889	213
iOS Tablets	78,428	18,122

Participant Summary

Students Represented	628,500
Schools Represented	989
School Districts Represented	41
Charter Schools Represented	121

Networking Gear in Schools

Age of Wired Gear Statewide: 13% | 5% | 16% | 22% | 42% | 2%
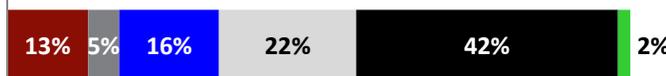
Age of Wireless Gear Statewide: 10% | 11% | 16% | 37% | 24% | 2%
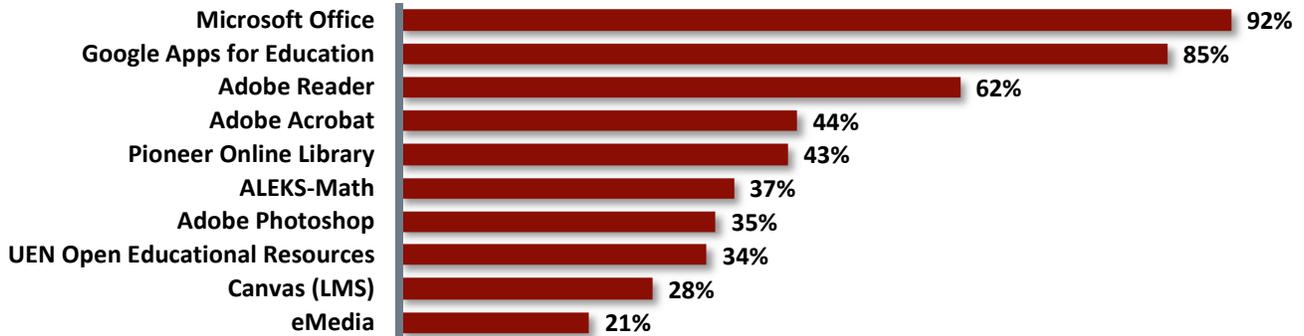
Legend:
- Less than 1 year old
- 1 year old
- 2 years old
- 3 years old
- 4+ years old
- Unknown

Summary of Results

Software Applications Used by Utah Public Schools

Application	Percent
Microsoft Office	92%
Google Apps for Education	85%
Adobe Reader	62%
Adobe Acrobat	44%
Pioneer Online Library	43%
ALEKS-Math	37%
Adobe Photoshop	35%
UEN Open Educational Resources	34%
Canvas (LMS)	28%
eMedia	21%

Computing Devices Available to Utah Public School Students

Device	Count
Desktops using Windows OS	108,114
Google Chromebooks	90,772
iOS tablets	78,428
Laptops using Windows OS	45,680
Mac laptops	27,218
Mac desktops	23,381
Android tablets	4,889
Windows tablets	1,196
Other	981
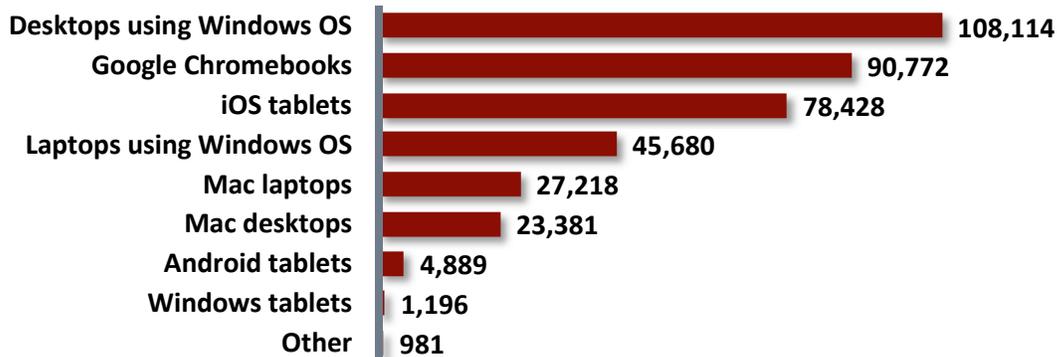
Utah Schools Using Student Information Systems

1%	66%	33%

- ■ Schools that do not use student information systems
- ■ Schools that use ASPIRE
- ■ Schools that use a system other than ASPIRE

For more information, visit **www.uen.org\digital-learning**
Analyses based on validated data from 100% of Utah K-12 schools that participated in the survey.

EXECUTIVE SUMMARY

I. Executive Summary

Understanding that technology can bring world-class learning opportunities to students, regardless of income, location, or demographics, the state of Utah committed to fund $4 million through Senate Bill 222 (Appendix A) to develop a digital teaching and learning program proposal, a portion of which was dedicated to funding the vital Utah School Technology Inventory project outlined in this report.

With the lofty goal of obtaining a detailed inventory of every Utah public schools' assets and requirements prior to the upcoming 2016 legislative session, and under the direction of UETN, **Connected Nation successfully gathered data from** 100% of Utah public schools**, including charter schools, accounting for 989 schools serving nearly 627,000 students across the state.** Connected Nation used a myriad of data collection, assessment and communications techniques to gather the information and complete a robust data analysis. This collection process and subsequent findings are outlined in this report. Armed with in-depth data, as well as meaningful assessments from local points of contact, the state of Utah will be able to promote digital teaching and learning from an informed, data-driven perspective.

Beginning in October 2015, the project team first developed a list of individual points of contact for each school district and charter school in the state, followed by the development of an online data collection portal and pre-formatted spreadsheet to facilitate the collection of data. Once complete, the login-based portal was provided to local points of contact and an instructional webinar was hosted to train users on its functionality. At that point, the data collection process officially began. By early December, Connected Nation presented a preliminary report of findings to UETN, while three regional data collection managers were deployed on a multi-week, statewide tour to assist schools with their data submissions. These aggressive efforts resulted in a comprehensive collection of data, and on January 15, 2016, Connected Nation and UETN concluded the Utah School Technology Inventory.

The findings below highlight some key points and showcase specific technology needs among the state's K-12 educational institutions, helping Utah leaders understand digital learning in the state more fully.

Key Results and Findings:
- 100% of Utah's public and charter schools participated in the project;
- More than 380,600 computing devices are available to Utah's nearly 627,000 students, which equates to approximately 0.61 devices per student;
- 246,400 (39%) students still need computers;
- 11% of schools deploy devices on a 1:1 basis to their students;
- Only 5% of schools deploy devices on a 1:1 basis where students are allowed to take their devices home;
- Wi-Fi infrastructure is lacking; 79% of schools have fewer than one wireless access point (AP) per classroom or instructional space;
- To achieve 1 AP per classroom or instructional space, schools would require the installation of an average of 16.8 cable drops and the acquisition of one 24-port switch (15.5 ports required);
- 47% of district and charter school respondents feel that adequate professional development and training resources are not available to help teachers effectively integrate mobile devices into their classrooms; and

- Utah's wired and wireless infrastructure is aging; 64% and 61% of schools report that their wired networking hardware and wireless hardware, respectively, is at least three years old.