



Mountain View
Whisman
School District

Instructional Technology

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Why Instructional Technology?

Why Instructional Technology?

- SP2021: Student Achievement
 - Digital learning will be embedded into the instructional frameworks with a focus on personalization
- SP2021: Profile of a Graduate
 - Confidently and responsibly navigates a variety of digital tools to gather information, organize data, share ideas and connect to the world.



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Current state of instructional technology

1:1 learning environment

- 2016-17 converted middle schools from cart-based model to take home
- Elementary sites have carts in every 2-5 grade classroom

Digital Tools

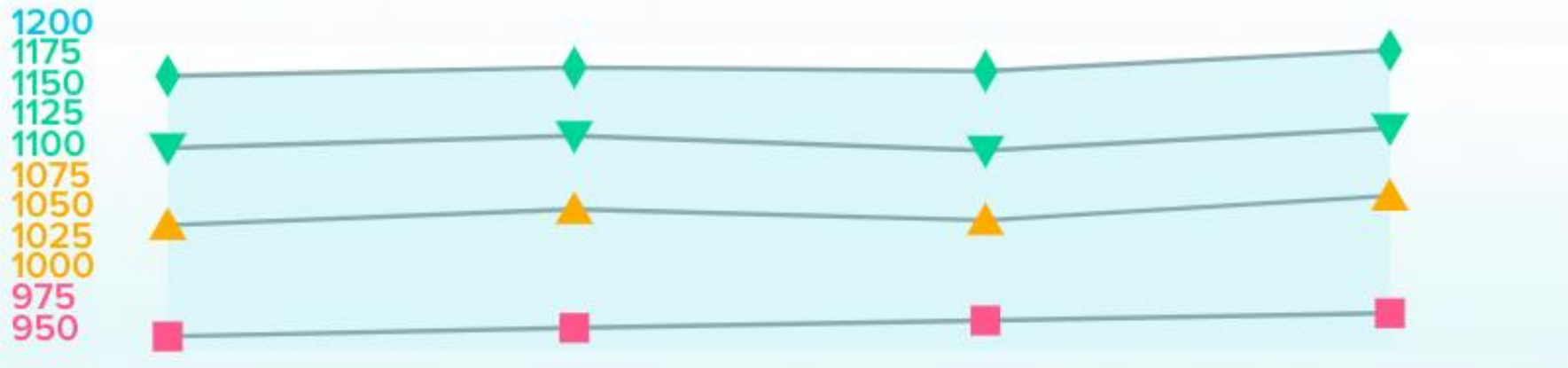
- Software applications varies by site
- Not all applications available in Clever student portal for easy access by students
- Classroom technology inconsistent across the District

BrightBytes Survey

Trends

Overall ↗ Domains Reading ↘ Math ↗

Classroom
 Access
 Skills
 Environment



961 Classroom
1174 Access
1115 Skills
1052 Environment
 Jul 1, 2015 to Dec 31, 2015
 10 Schools

968 Classroom
1181 Access
1125 Skills
1065 Environment
 Jan 1, 2016 to Jun 30, 2016
 10 Schools

974 Classroom
1178 Access
1113 Skills
1056 Environment
 Jul 1, 2016 to Dec 31, 2016
 10 Schools

980 Classroom
1195 Access
1131 Skills
1076 Environment
 Jan 1, 2017 to Jun 30, 2017
 10 Schools

BrightBytes - Technology Access

98%



of teachers can get devices for their students when needed more than half the time



66%



of teachers report high quality internet speed

93%



of teachers have access to a computer for their own use all the time at school



92%



of teachers report a typical student to computer ratio of 2:1 or 1:1



BrightBytes - MS Technology Use



Student-reported frequency of computer use in the classroom

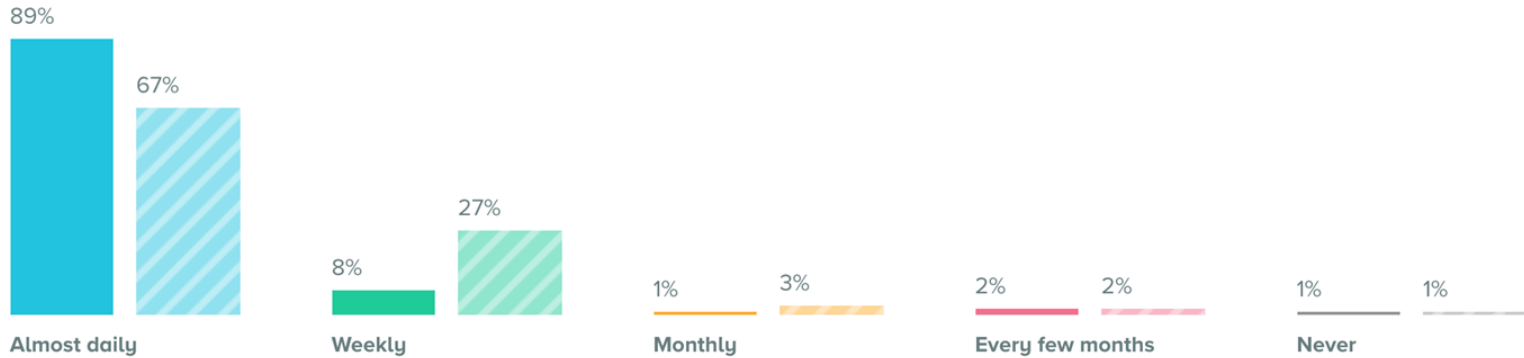
Chart

Trends

View Insight

Save Chart

Share



COMPARE



Jan 1, 2017 to Jun 30, 2017
Solids



Jul 1, 2015 to Dec 31, 2015 ▼
Stripes



BrightBytes - Elementary Tech Use



Elementary student-reported frequency of computer use in the classroom

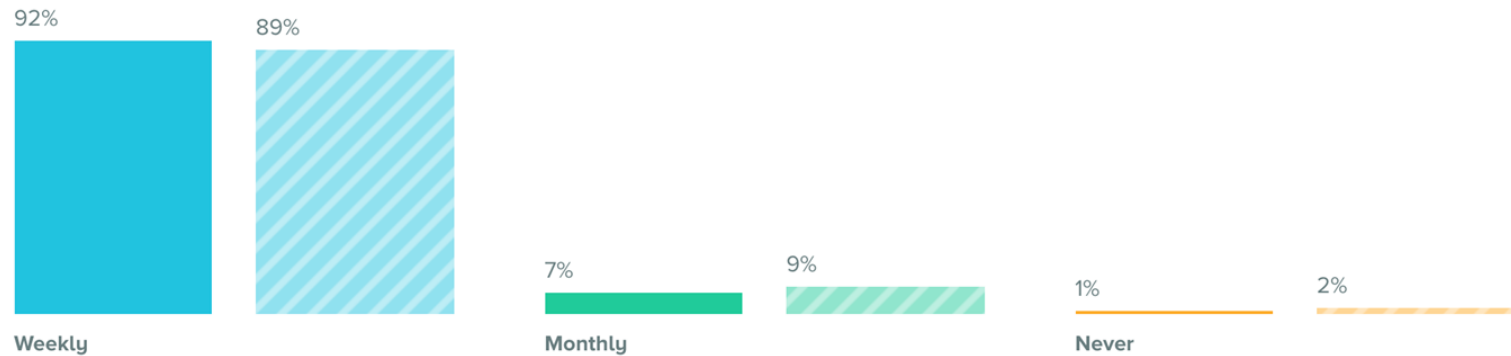
Chart

Trends

View Insight

Save Chart

Share



COMPARE



Jan 1, 2017 to Jun 30, 2017
Solids



Jul 1, 2015 to Dec 31, 2015 ▼
Stripes





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Reflecting on our tech implementation

Digital Tools - Software

- Inconsistent software across the District
- Clever portal makes software access easier for students
 - 73% of students have used the Clever portal
 - 60% of teachers have used the Clever portal
- Supporting different applications at each site increases support cost
- Need to standardize training on applications

Classroom Technology

- Completing modernization of classrooms in summer 2018
- Technology access higher than observed in other districts
- Face many of the same challenges as neighboring districts



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Next Steps

Digital Tools Action Plan - 2017-18

- Develop classroom technology standards
- Survey classrooms to determine where standards are not met
- Develop multi-year plan to address gaps in standards

Digital Tools Action Plan - 2017-18

- Review currently used software in the District
- Develop evaluation methodology for software
- Create district-wide student software standards
- Create multi-year plan to implement those standards

Developing plan

- Visit neighboring school districts to understand how they are addressing these issues
- Meet monthly with site tech leader teachers for input and feedback
- Present progress on plan to Board of Trustees, Cabinet, and leadership team