



# EdTech Update for Board of Trustees

---

6/28/18



# Agenda

---

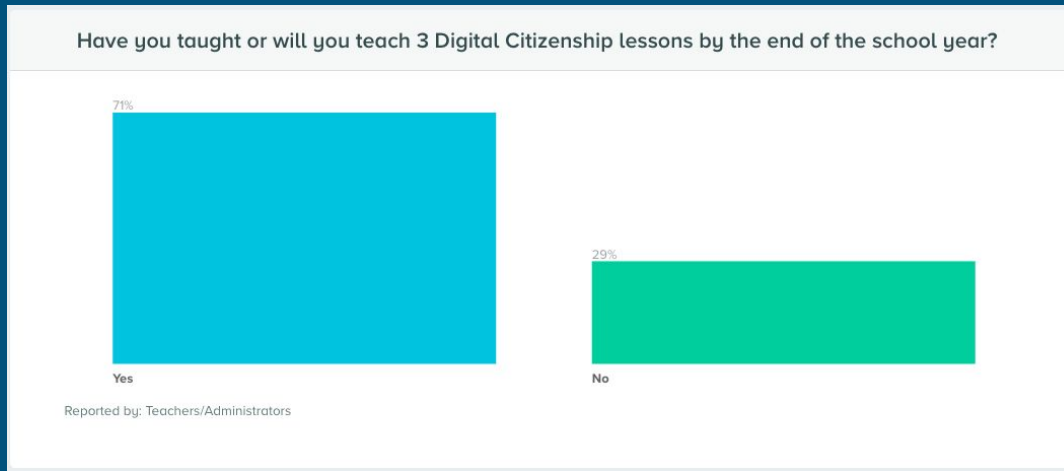
- LCAP Goal Debrief
- BrightBytes Survey Results
- Infographic of 3 year progress

# EdTech/LCAP Professional Development Goal Results

Goal Description	2016-2017 Baseline	2017-2018 Goal	2017-2018 Actual	2018-2019 Goal
G Suite Certification	18 teachers	5 more teachers	9 more teachers, goal achieved	5 more teachers
Mini-MERIT	23 teachers	15 more teachers	0 teachers, goal not achieved	15 more teachers
Technology use in SAMR	63% of Teachers	Increase by 5%	Increased by 6%, goal achieved	Increase by 5%

# EdTech Plan: Year 1 Digital Citizenship

- BrightBytes Survey results
  - 71% of teachers taught 3 lessons
  - 2017-2018 EdTech/LCAP Goal= 75%
  - 2018-2019 EdTech/LCAP Goal= 85%



# 2017-2018 Empowered Learner Baseline

---

# Empowered Learner Standards

---

- 1a. Articulate and set personal learning goals, develop strategies leveraging technology to achieve them and reflect on the learning process itself to improve learning outcomes.
- 1b. Students build networks and customize their learning environments in ways that support the learning process.
- 1c. Students use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.
- 1d. Students understand the fundamental concepts of technology operations, demonstrate the ability to choose, use and troubleshoot current technologies and are able to transfer their knowledge to explore emerging technologies.

# EdTech Plan: Year 2 Empowered Learner

## Elementary-Goals

Elementary students are asked to participate in designing their learning process and set learning goals



 Save Chart  Share

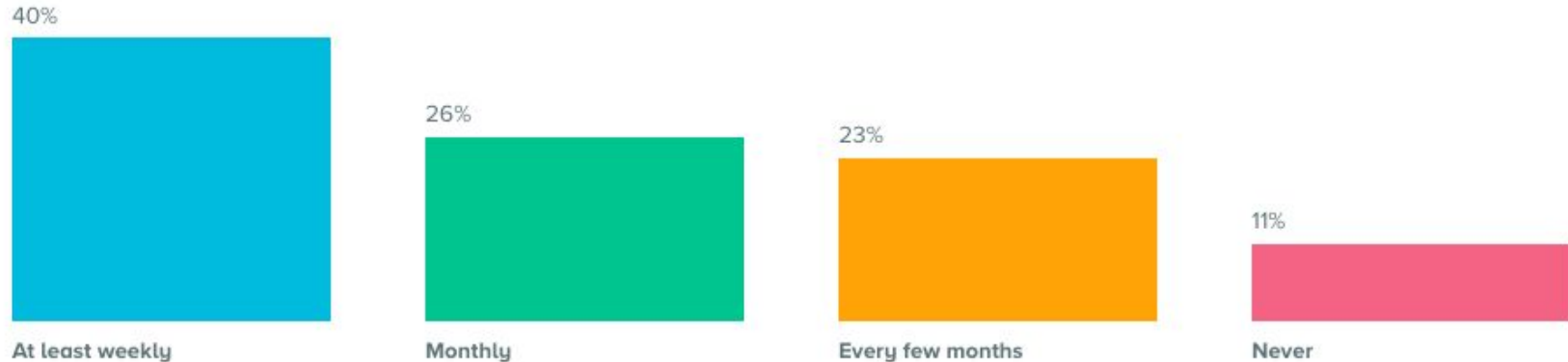


# EdTech Plan: Year 2 Empowered Learner

## Middle School-Goals

Students are asked to participate in designing their learning process and set learning goals

 Save Chart  Share





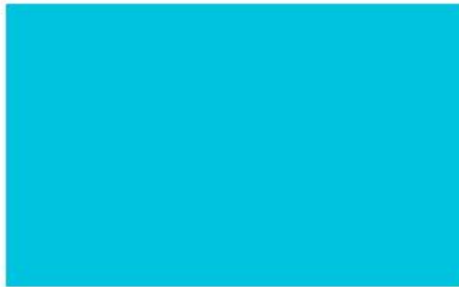
# EdTech Plan: Year 2 Empowered Learner

## Elementary-Reflect

Elementary students are asked to reflect on their learning process

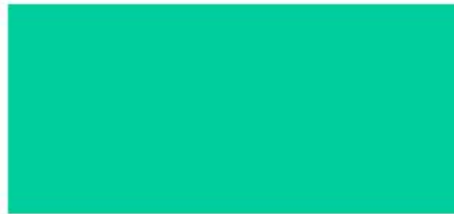
 Save Chart  Share

50%



Weekly

37%



Monthly

13%



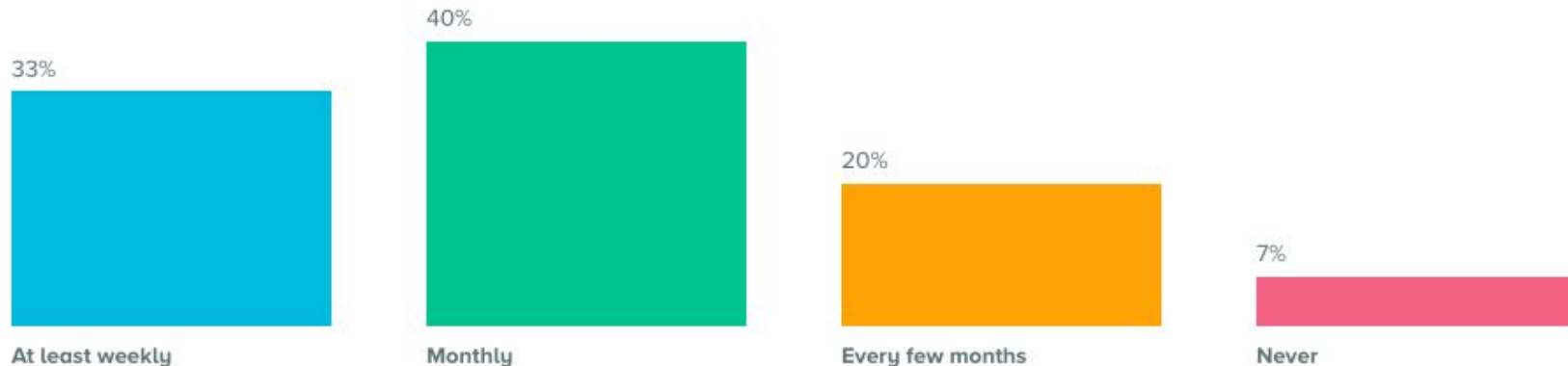
Never

# EdTech Plan: Year 2 Empowered Learner

## Middle School-Reflect

Students are asked to reflect on their learning process

 Save Chart  Share

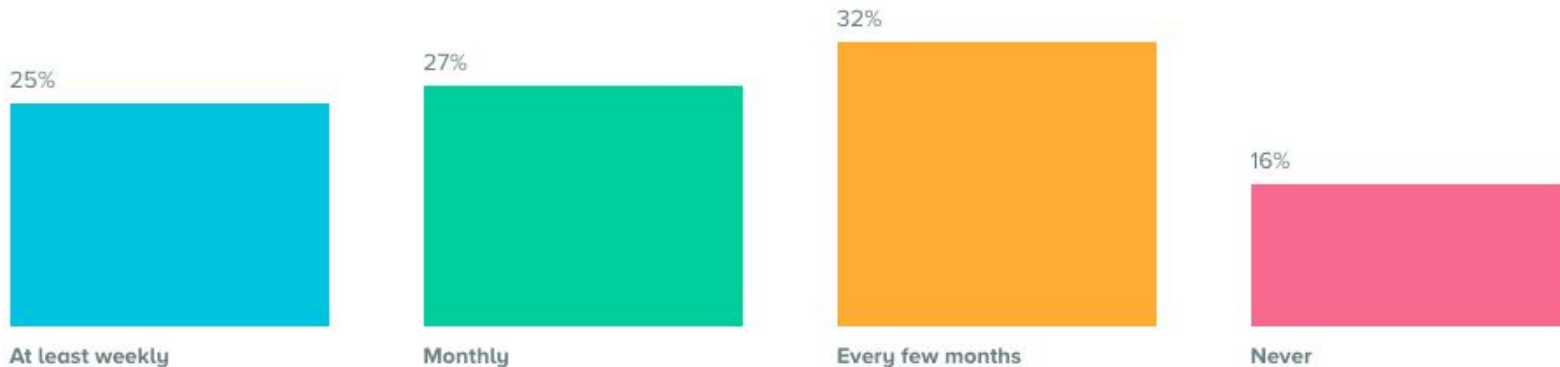


# EdTech Plan: Year 2 Empowered Learner

## Elementary/Middle School-Feedback

Students are asked to receive feedback digitally from classmates

 Save Chart  Share



# EdTech Plan: Year 2 Empowered Learner

## Middle School-Learning Environment


### Students are asked to create e-Portfolios

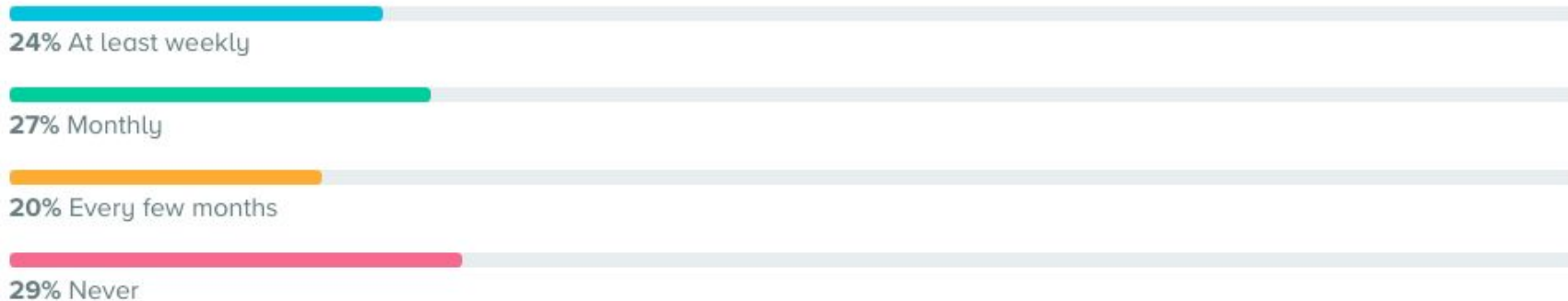
Chart

Trends

 View Insight

 Save Chart

 Share

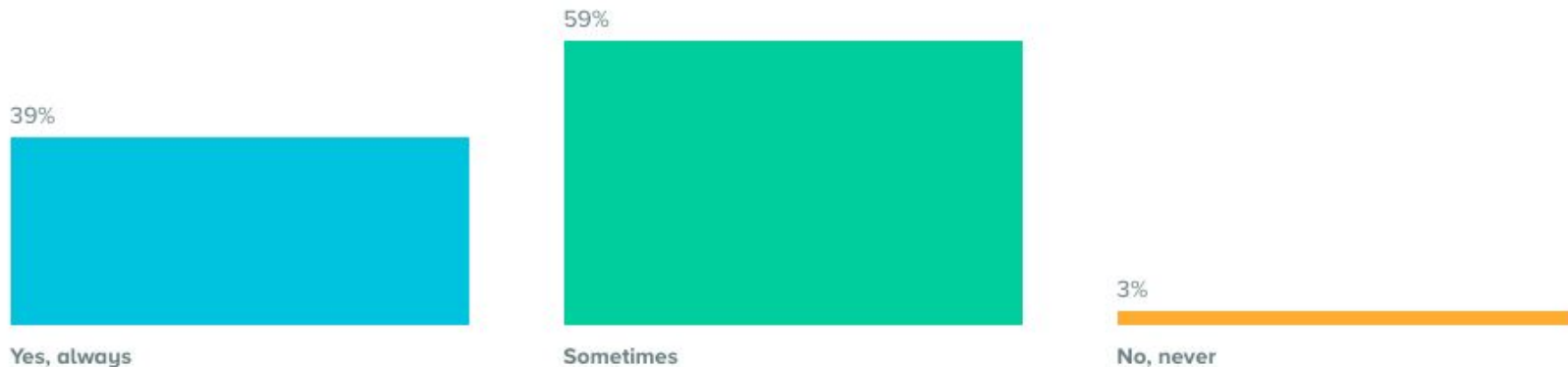


# EdTech Plan: Year 2 Empowered Learner

## Elementary-Troubleshoot

Elementary Students: "I find good solutions when I have a problem with technology."

Save Chart Share

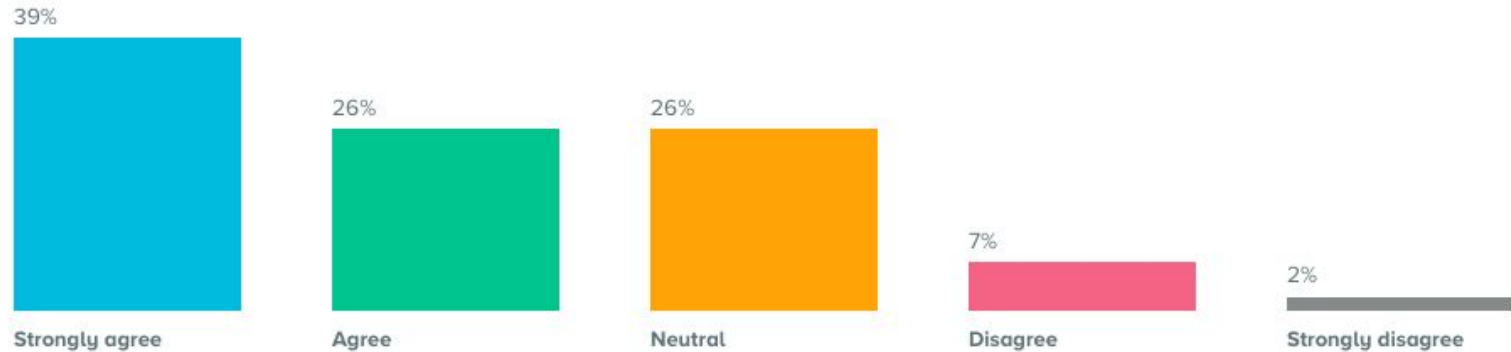


# EdTech Plan: Year 2 Empowered Learner

## Middle School-Troubleshoot

Students: “When I am confronted with a technology-related problem, I usually find good solution.”

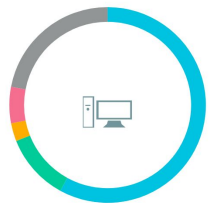
Save Chart Share



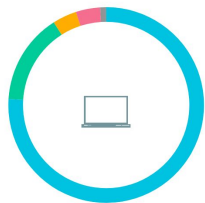
# Brightbytes Staff Results

---

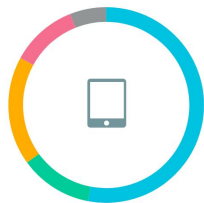
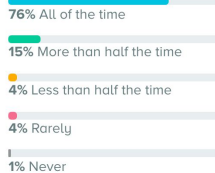
DEVICE TYPE



Desktop



Mobile Computer



Tablet

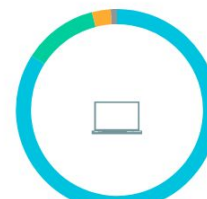


2016-2017

DEVICE TYPE



Desktop



Mobile Computer



Tablet



2017-2018

# Access to Devices



## Teachers are able to obtain computers on carts when needed

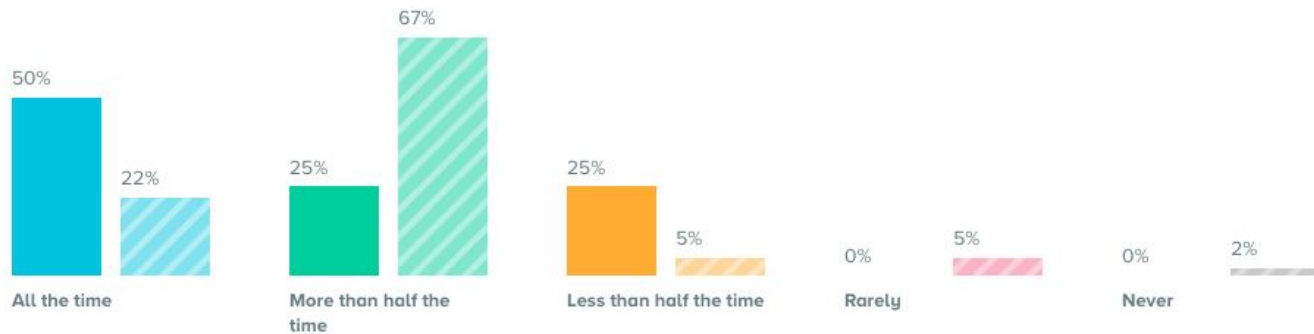
Chart

Trends

 View Insight

 Save Chart

 Share



 COMPARE

 Jan 1, 2018 to Present  
Solids

 Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes



## Access to Student Devices

## ! Teachers report that the quality of support for problems disrupting instruction is

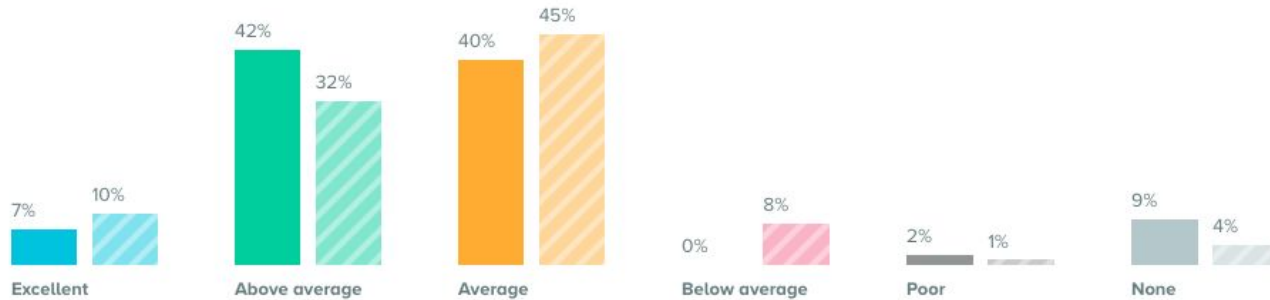
Chart

Trends

View Insight

Save Chart

Share



COMPARE

Jan 1, 2018 to Present  
Solids

Jan 1, 2017 to Jun 30, 2017  
Stripes



## Teachers expressed interest in the following educational technology PD topics

[View Insight](#)

[Save Chart](#)

[Share](#)



1<sup>st</sup>

47%

Online Tools for Critical Thinking



2<sup>nd</sup>

42%

Multimedia Skills



3<sup>rd</sup>

37%

Classroom Management with Technology

# Professional Development (PD)



## Time spent per year teaching about creating an online presence

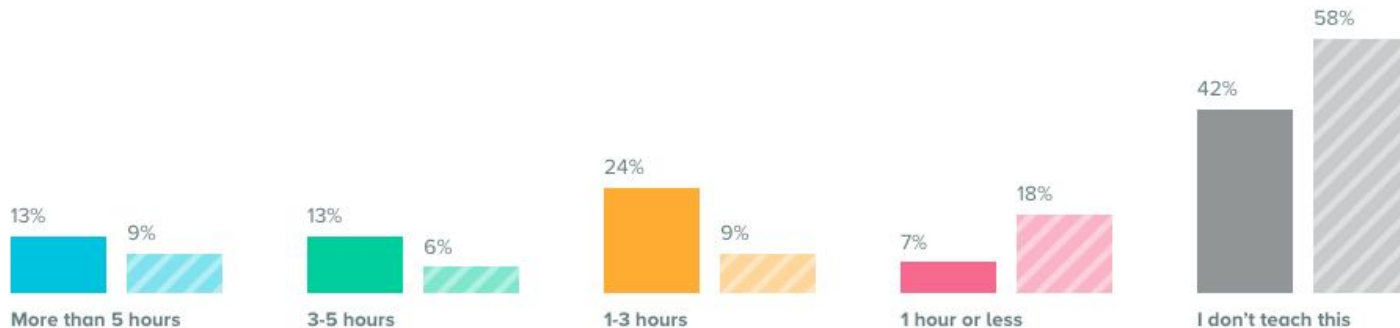
Chart

Trends

View Insight

Save Chart

Share



COMPARE

**Jan 1, 2018 to Present**  
Solids

**Jan 1, 2017 to Jun 30, 2017** ▼  
Stripes



SAMR Legend

Beginner

Substitution

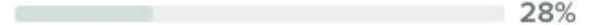
Augmentation

Modification

Redefinition

Show More

Beginner



+ Substitution



+ Augmentation



+ Modification



+ Redefinition



## SAMR Model Progress

 Substitution

36%

Teacher Frequency of Digital Display Device Use



Teacher Frequency of Digital Textbook Use



Teacher Frequency of Digital or Online Assessment



Teacher Frequency of Online Use for Course Materials



## SAMR Model Progress

**- Augmentation**

27%

Teacher Frequency of Digital Assessment Tool Use



Teacher Collaboration Use of Digital Tools



Teacher Creativity Use of Digital Tools



Teacher Critical Thinking Use of Digital Tools



**- Modification**

7%

Teacher Communication Use of Digital Tools



Teacher Creativity Use of Digital Tools



# SAMR Model Progress

 **Redefinition**

0%

Teacher Collaboration   Use of Digital Tools



Teacher Communication   Use of Digital Tools



Teacher Creativity   Use of Digital Tools



Teacher Yearly Time Spent Teaching Digital Citizenship



## SAMR Model Progress



# Brightbytes Student Results

## Grades 3-8

---

# Student-reported frequency of computer use in the classroom

Chart

Trends

[View Insight](#)

[Save Chart](#)

[Share](#)



COMPARE

Jan 1, 2018 to Present  
Solids

Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes



Middle School



## Elementary student-reported frequency of computer use in the classroom

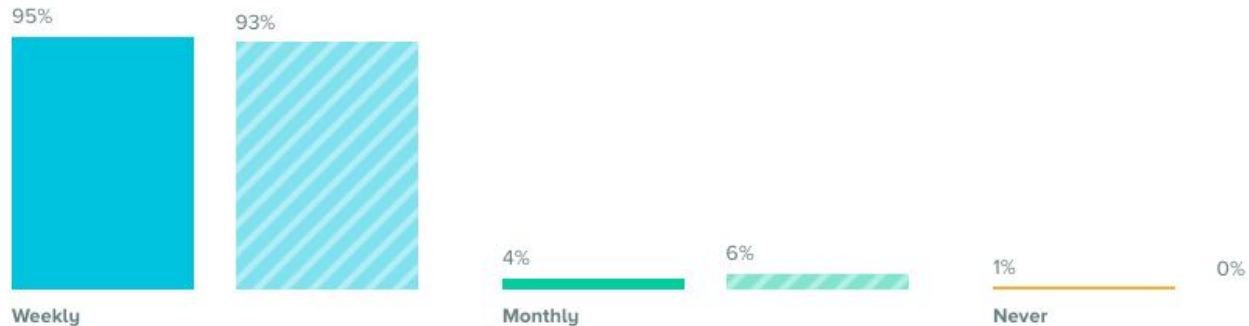
Chart

Trends

View Insight

Save Chart

Share



COMPARE



Jan 1, 2018 to Present  
Solids



Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes





## Students are asked to receive feedback from others in the classroom

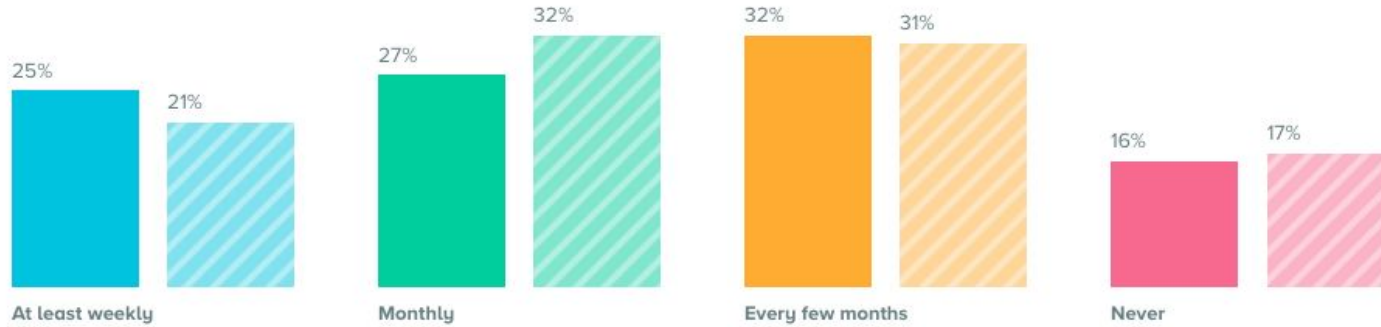
Chart

Trends

View Insight

Save Chart

Share



COMPARE

Jan 1, 2018 to Present  
Solids

Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes



Communication-Middle School



## Elementary students are asked to receive feedback from others in the classroom

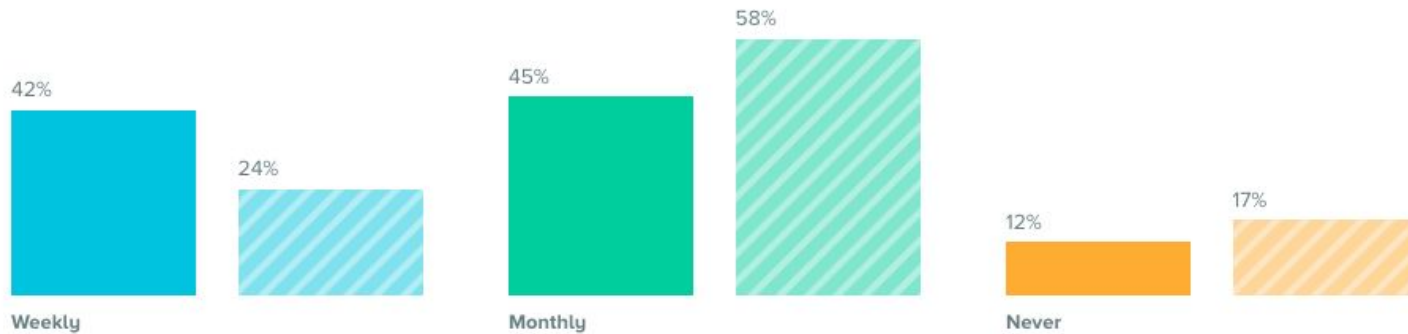
Chart

Trends

View Insight

Save Chart

Share



COMPARE



Jan 1, 2018 to Present  
Solids



Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes



# Communication-Elementary



## Students are asked to collaborate online with classmates

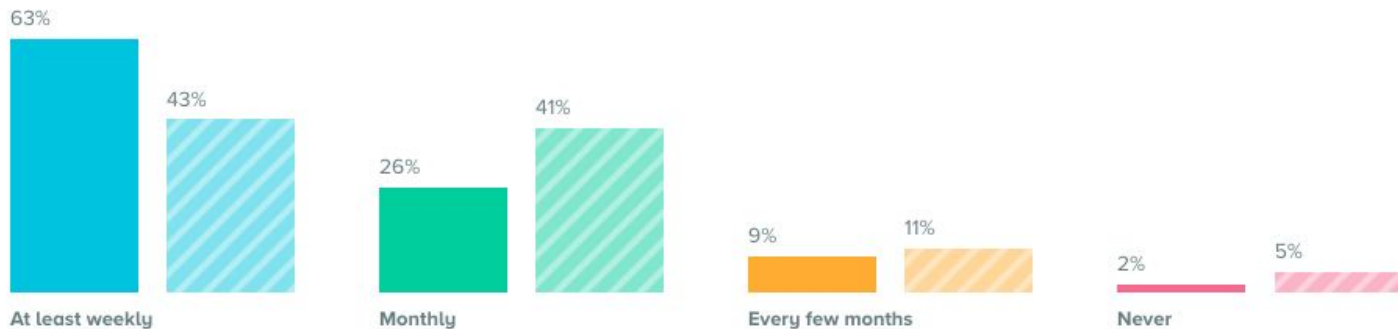
Chart

Trends

View Insight

Save Chart

Share



COMPARE



Jan 1, 2018 to Present  
Solids



Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes



## Collaboration-Middle School



## Elementary students are asked to collaborate online with classmates

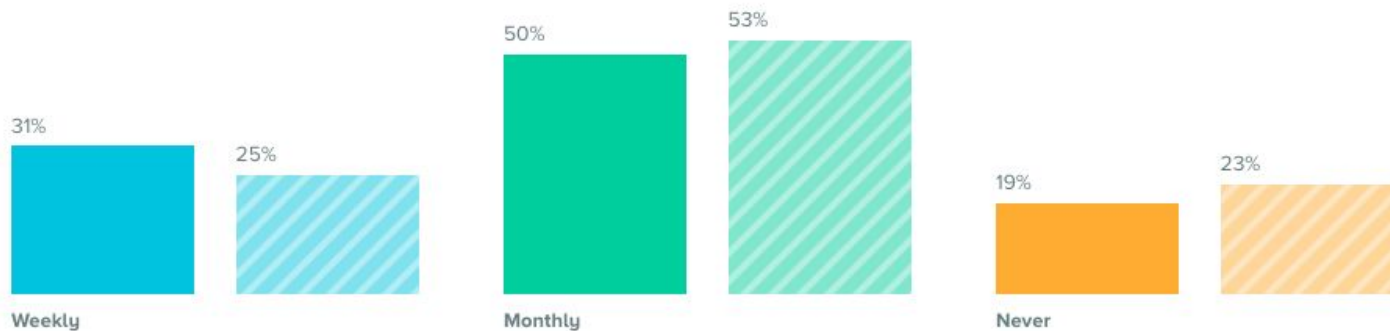
Chart

Trends

View Insight

Save Chart

Share



COMPARE

**Jan 1, 2018 to Present**  
Solids

**Jan 1, 2017 to Jun 30, 2017** ▼  
Stripes





## Students are asked to identify and solve authentic problems

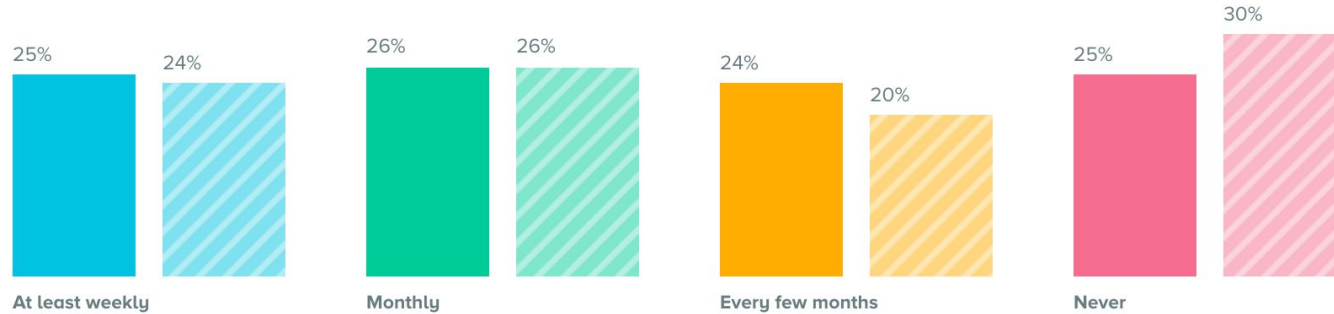
Chart

Trends

View Insight

Save Chart

Share



COMPARE



Jan 1, 2017 to Present  
Solids



Jul 1, 2015 to Dec 31, 2015 ▼  
Stripes







## Elementary students are asked to solve real-life problems

Chart

Trends

[View Insight](#)



12%  
Weekly



49%  
Monthly

2016-2017



## Elementary students are asked to solve real-life problems

Chart

Trends

[View](#)



15%  
Weekly



44%  
Monthly

2017-2018

Critically Thinking-Elementary



## Students are asked to develop or present multimedia presentations

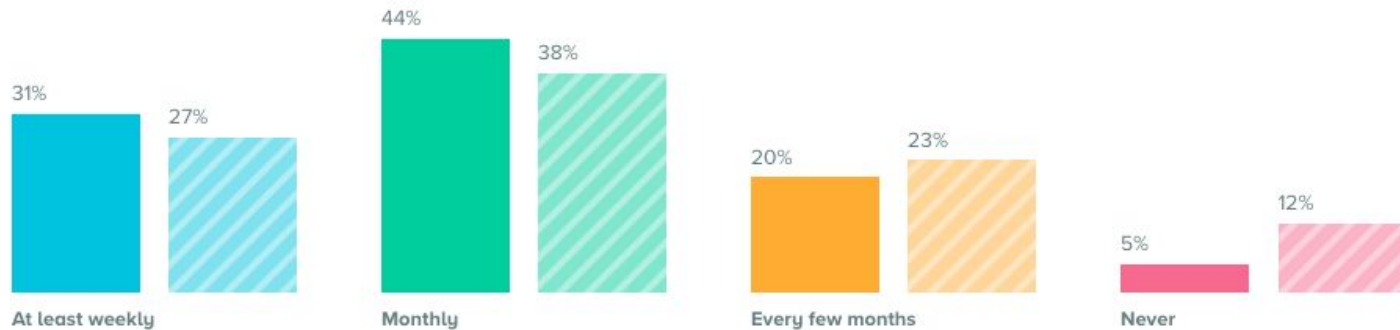
Chart

Trends

View Insight

Save Chart

Share



COMPARE

Jan 1, 2018 to Present  
Solids

Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes





## Elementary students are asked to develop or present multimedia presentations

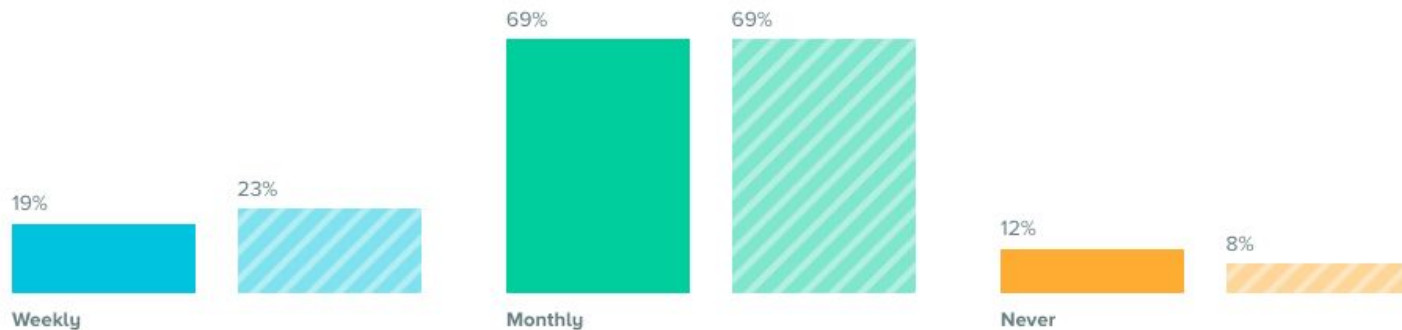
Chart

Trends

View Insight

Save Chart

Share



COMPARE



**Jan 1, 2018 to Present**  
Solids



**Jan 1, 2017 to Jun 30, 2017** ▼  
Stripes





## Students are taught how to act respectfully online

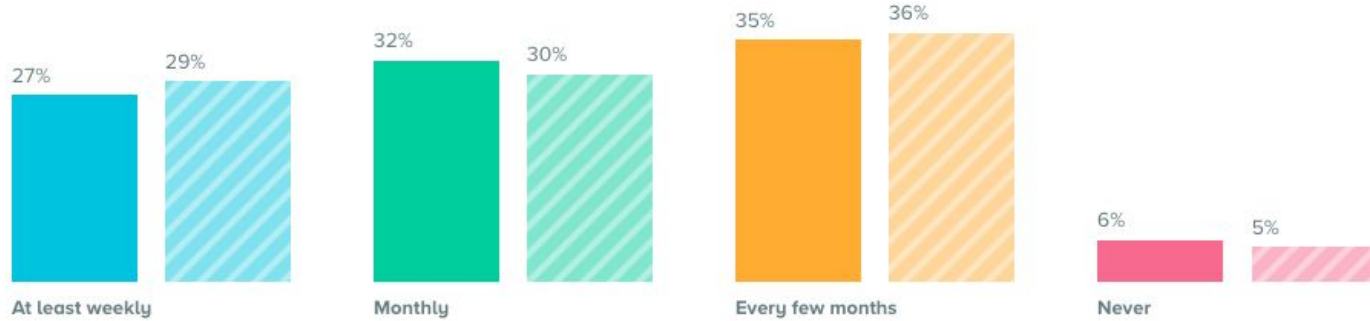
Chart

Trends

View Insight

Save Chart

Share



COMPARE



Jan 1, 2018 to Present  
Solids



Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes





## Elementary students are taught how to act respectfully online

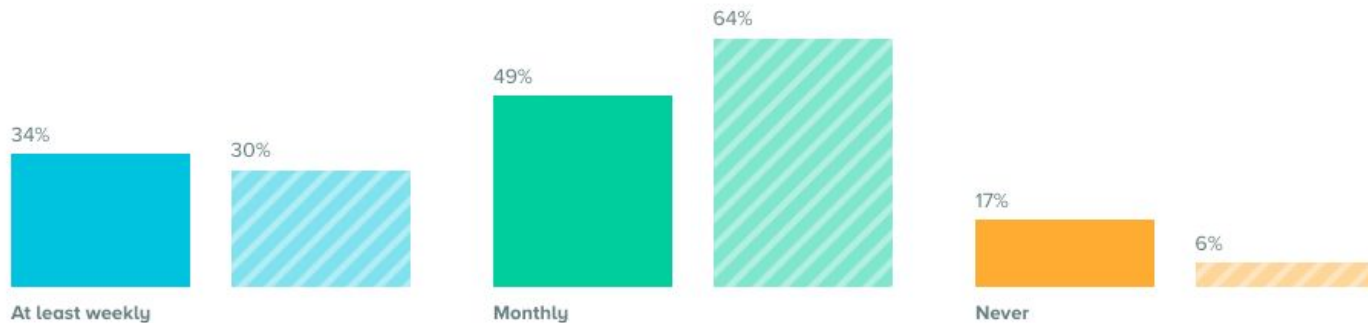
Chart

Trends

View Insight

Save Chart

Share



COMPARE

Jan 1, 2018 to Present  
Solids

Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes



# Brightbytes Parent Results

---

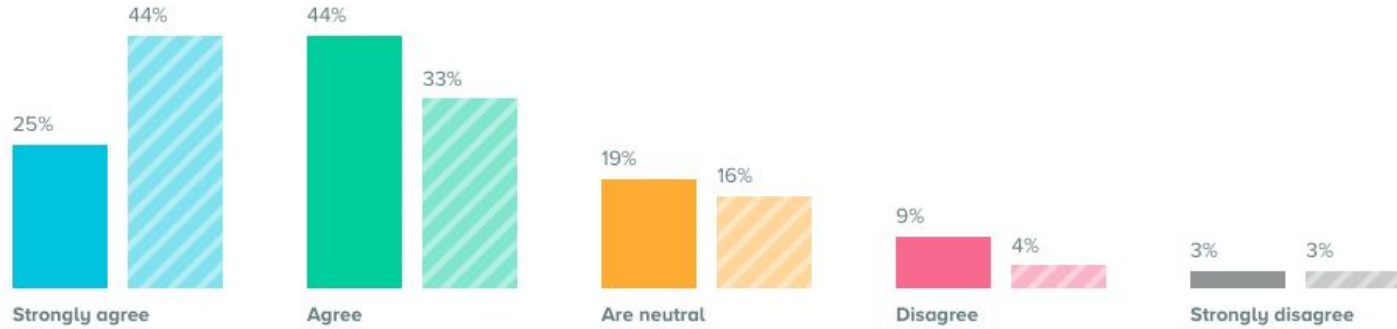
# “Technology use in class can enhance student learning.”

Chart

Trends

Save Chart

Share



COMPARE



Jan 1, 2018 to Present  
Solids



Jan 1, 2017 to Jun 30, 2017 ▼  
Stripes



Beliefs



## “My child’s school encourages technology use for teaching and learning.”

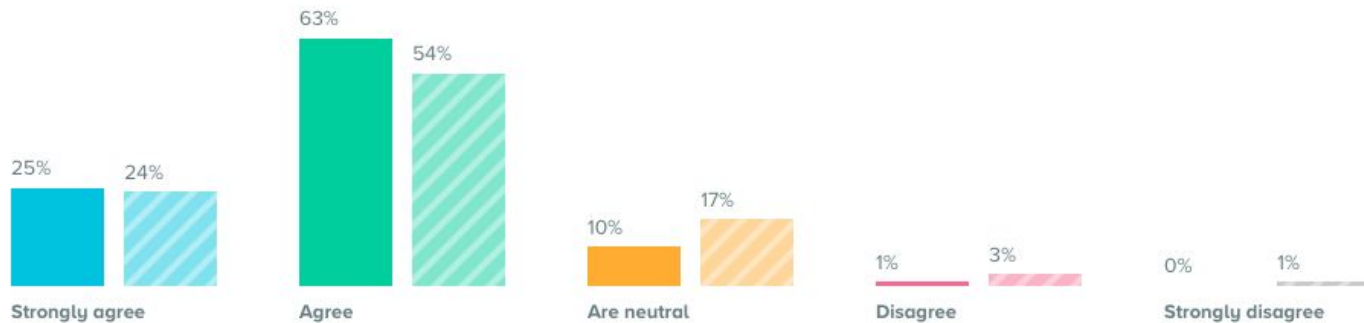
Chart

Trends

View Insight

Save Chart

Share



COMPARE

**Jan 1, 2018 to Present**  
Solds

**Jan 1, 2017 to Jun 30, 2017** ▼  
Stripes



# Beliefs





## Parents' comfort teaching their child about creating online presence

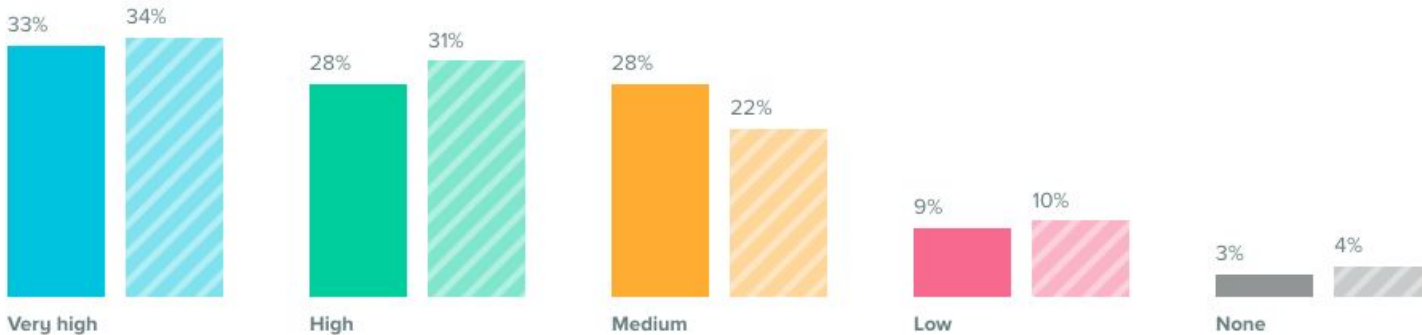
Chart

Trends

View Insight

Save Chart

Share



COMPARE

**Jan 1, 2018 to Present**  
Solids

**Jan 1, 2017 to Jun 30, 2017** ▼  
Stripes



# Next Steps 2018-2019

---

- Continue with differentiated EdTech professional development
  - As described in the [May 2018 Board Update](#)
- Coaching
- Implement Year 2: Empowered Learner
  - Focus on digital portfolios
- Makerspace development



# SUSD EdTech *journey*

# WHERE WE WERE

2015

# WHERE WE ARE

2018

## Student Equipment

Chromebooks

709



2195

iPads

61



171

Laptops

0



118

3D Printers

0



6

Makerspaces

0



4

2015

2018

## Teacher Equipment

Laptops



37

100

iPads



100

100

Updated older models in 2016

# Teacher Professional Development

G Suite Certification

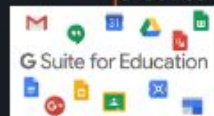
0



25  
teachers

G Suite Professional Development

0



18 hours

Mini-MERIT

0



23  
teachers

G Suite Summit

0



21  
teachers

STEAM Symposium

4



14  
teachers

ISTE Conference

2



11  
teachers

Bullis PBL Cohort

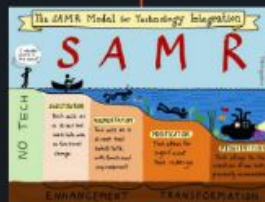
0



9  
teachers

SAMR Model Implementation

58% of  
Teachers



72% of  
Teachers

# FINAL DESTINATION

2023



## Digital Citizenship 2017-2018

Manage digital reputation and private data, respectful use of technology and intellectual property



## Knowledge Constructor 2019-2020

Research and validate data, solve real-world problems, Project-Based Learning



## Computational Thinker 2021-2022

Collect data & analyze, use algorithmic thinking



## Empowered Learner 2018-2019

Goal setting, reflection, feedback, use tech tools, troubleshoot



## Creative Communicator 2020-2021

Select tools, create solutions, communicate, publish findings



## Global Communicator 2022-2023

Connect with others, collaborate to solve real-world problems



## Innovative Designer 2022-2023

Use empathy and design process to develop solutions to problems



# Board Discussion

---