



BrightBytes



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Ross Garison



BrightBytes



Data Dive2017

# BrightBytes Data

## Denton by the numbers



1,655



9,728



3,614

**Total = 14,997**

# BrightBytes Data



CASE™ Score

**1074 Proficient** ↗ Up since last data collection

## Classroom



### Use of the 4Cs

Teachers

Students

### Digital Citizenship

Teachers

Students

### Assessment

Assistive Technology

## Access



### Access at School

Teachers

Students

### Access at Home

Teachers

Students

## Skills



### Foundational

Teachers

Students

### Online

Teachers

Students

### Multimedia

Teachers

Students

## Environment



### The 3Ps

Support

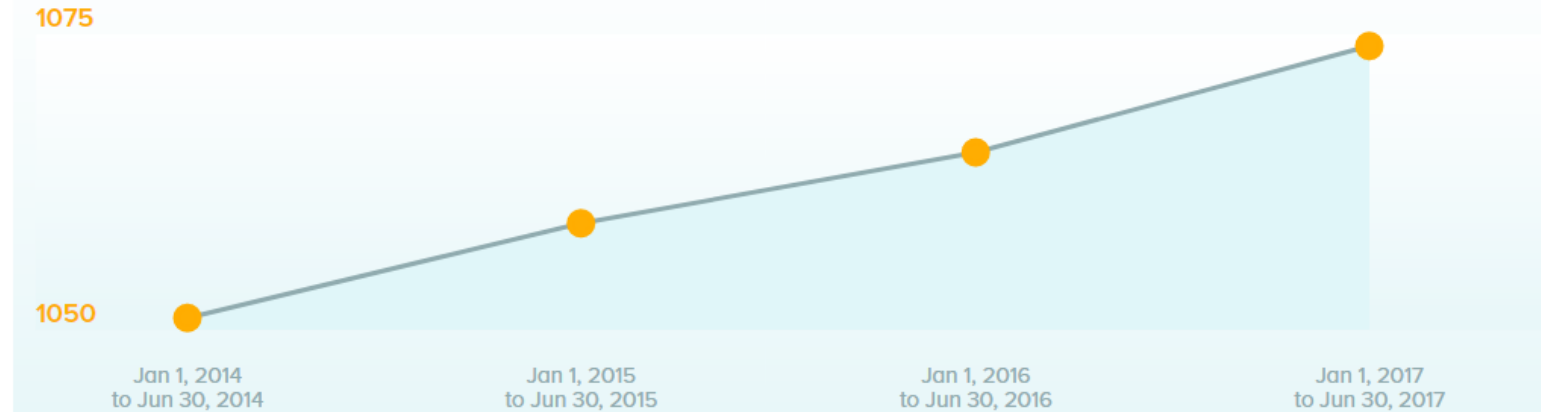
Professional Learning

Beliefs



# BrightBytes Data

## Trends



## FOUNDATIONAL SKILLS

Basic computing skills - sending email and creating spreadsheets



**29%**  
find these tasks  
easy to perform

## ONLINE SKILLS

Essential skills for contributing to and collaborating on the Internet



**42%**  
readily utilize  
these skills

## MULTIMEDIA SKILLS

Ability to record and edit video



**69%**  
find these tasks  
easy to perform

## BELIEFS

How students feel about using technology in learning and daily life



**71%**  
agree it  
enhances both



21<sup>ST</sup> CENTURY STUDENT

## DIGITAL CITIZENSHIP SKILLS

Responsible behavior when using technology - legal use of content, establishing a presence online, online safety, and cyberbullying prevention



**14%**  
are taught these  
at least monthly

9857 students surveyed

## CONFIDENCE WITH TECHNOLOGY

53%



can solve their own tech problems.

86%



learn new technologies easily.

## FOUNDATIONAL SKILLS

Basic computing skills - sending email and creating spreadsheets



**74%**  
find these tasks  
easy to perform

**14%** of teachers have  
expressed  
interest in PD  
in this area

## ONLINE SKILLS

Essential skills for  
contributing to and  
collaborating on the  
Internet



**62%**  
readily utilize  
these skills

**10%** of teachers have  
expressed interest in  
PD in this area

## MULTIMEDIA SKILLS

Ability to manipulate photos and record  
and edit audio or video



**46%**  
find these tasks  
easy to perform

**46%** of teachers have  
expressed interest in  
PD in this area

## BELIEFS

How teachers feel about using  
technology for learning and in  
their daily life



**83%**  
agree it  
enhances both

## 21<sup>ST</sup> CENTURY TEACHER

*1664 teachers surveyed*

## DIGITAL CITIZENSHIP SKILLS


Responsible behavior when using  
technology - legal use of content,  
establishing a presence online, online  
safety, and cyberbullying prevention



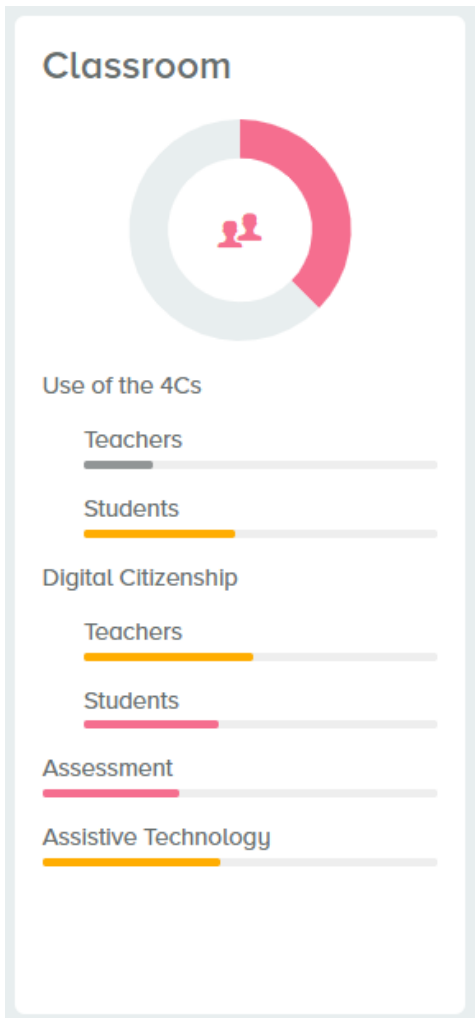
**31%**  
are highly  
knowledgeable

## CONFIDENCE WITH TECHNOLOGY

**77%**   
can solve their own tech problems

**76%**   
easily learn new technologies

# classroom



**Are teachers and students embracing 21st skills as the teach and learn?**



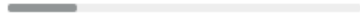
# classroom

## Classroom

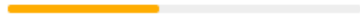


### Use of the 4Cs

Teachers



Students



### Digital Citizenship

Teachers



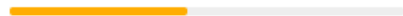
Students



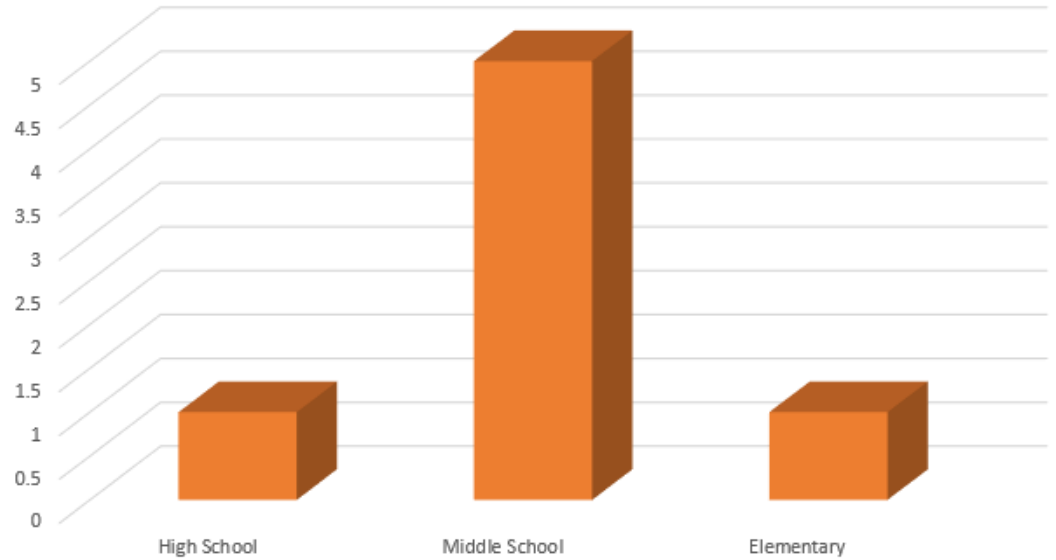
### Assessment



### Assistive Technology



## Classroom





# DENTON

INDEPENDENT SCHOOL DISTRICT



Students are asked to use an online space for documents

Chart

Trends

View Insight

Save Chart

Share



53%  
At least weekly



26%  
Monthly



13%  
Every few months



8%  
Never



COMPARE







## Students are asked to use an online space for documents

Chart

Trends

 View Insight

 Save Chart

 Share



**64%**  
At least weekly



**27%**  
Monthly



**9%**  
Every few months

**0%**  
Never

 COMPARE



# ACCESS

## Access



### Access at School

Teachers



Students



### Access at Home

Teachers



Students



**Do teachers and students have access to devices and the internet at school and home?**

# Access

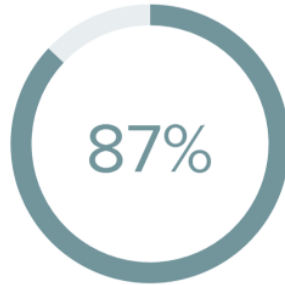


## Student access to a desktop, laptop, or tablet computer at home

[View Insight](#)

[Save Chart](#)

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Yes



No

# Access

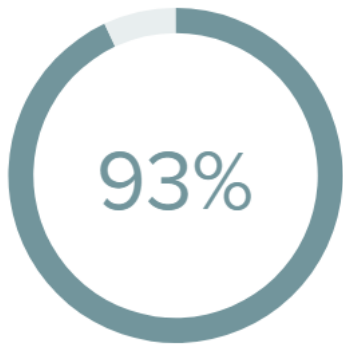


## Student Access to Internet and Wireless at Home

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[Save Chart](#)

[Share](#)



of your students have Internet access at home

### → OF WHOM

94% Have wireless Internet access

6% Have wired Internet access

# Access

What are we doing about the digital divide?



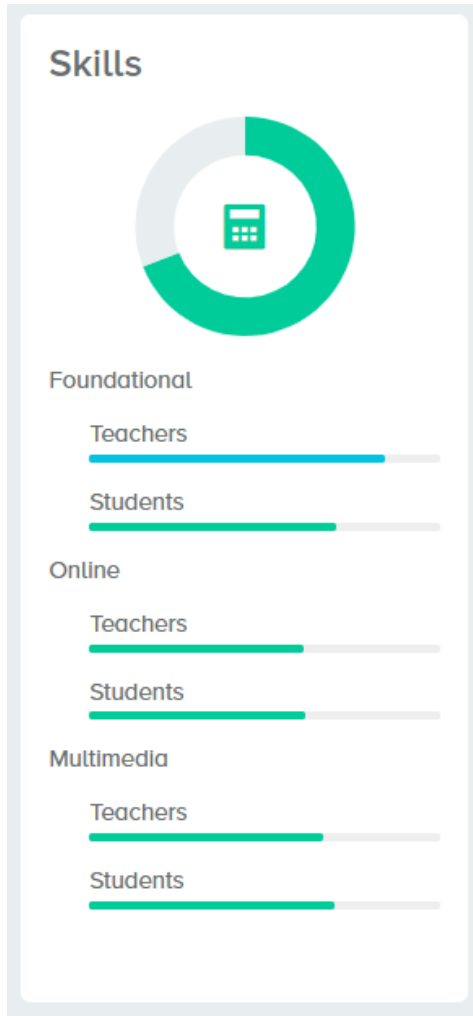
# Access

What are we doing about the digital divide?





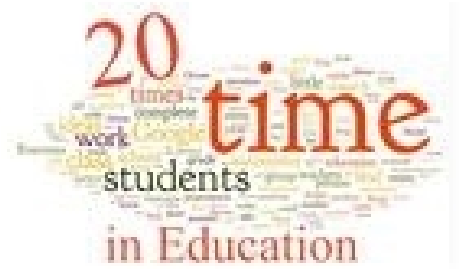
# Skills



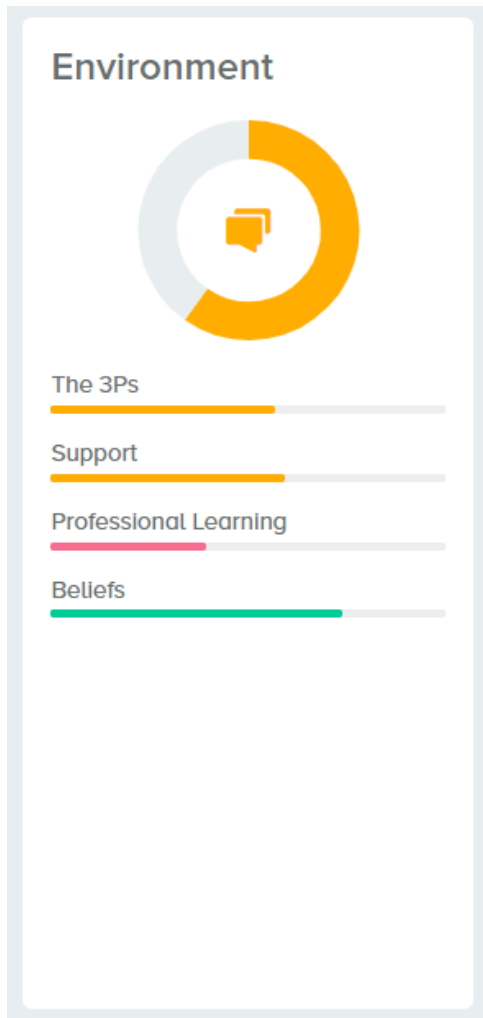
**Are skills in place among students and teachers to effectively use technology for learning?**

# Skills

## Innovators and Innovations



# Environment



**What is the culture for using technology in Denton ISD?**

# Environment



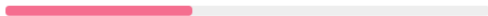
The 3Ps



Support



Professional Learning



Beliefs



“Technology use in class can enhance student learning.”

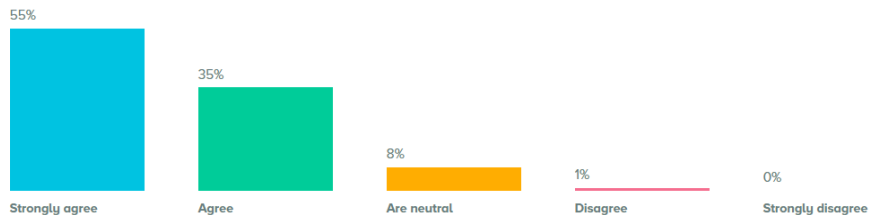
Chart

Trends

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# Environment



The 3Ps



Support



Professional Learning



Beliefs



“Technology use in class can enhance student learning.”

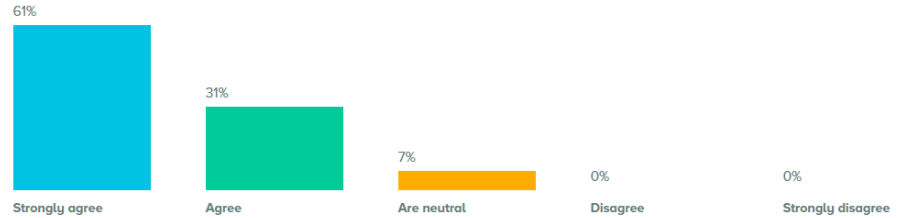
Chart

Trends

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# Full Report





Questions and Commem