

SDFA Technology Review 2015

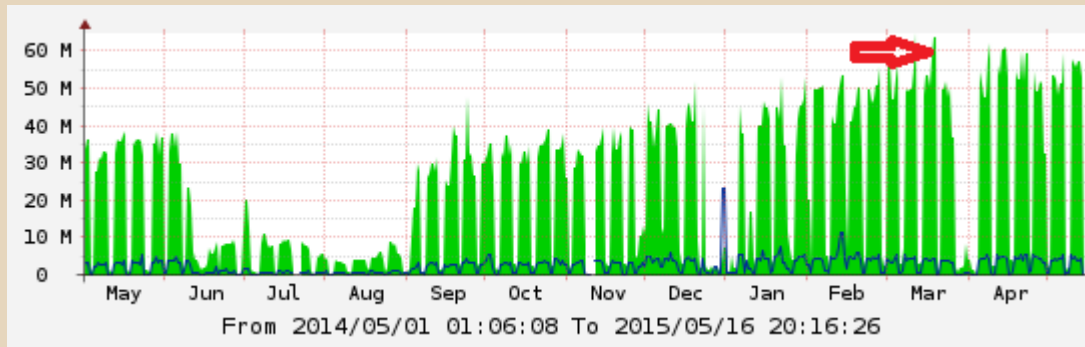
John Ottow, Dir. of Technology

The Network

- Infrastructure
 - Routers
 - New 2013
 - Replacement 2018-2020
 - Firewall
 - New 2013
 - Replacement 2016-2018

The Internet

- Fiber optic line to UW-Whitewater
 - 1gb connection 2013
 - 10gb connection 2017 - change of electronics
 - 40gb connection 2021 - change of electronics



Desktop Computers

- Desktop computers
 - Productivity
 - Subject-based labs
 - General use computer labs
 - Additional student computers
 - Special Ed. rooms and 2nd computers in classrooms

Productivity - 550

- Office computers
- Computers on
Teachers desks
- Lunch

Subject-based labs-325

- High School
 - Business Ed.-2
 - Tech Ed.-2
 - Math-1
 - Computer Science-1
 - Music-1
- Middle School
 - Business Ed.-2

General use computer labs

2010 - 7 labs

2015 - 5 labs

2010 - 0?

Mobile Devices

- 2012 - 318
 - 175 iPads
 - 140 Netbooks
 - 3 Chromebooks
- 2015 - 1335
 - 225 iPads
 - 210 Netbooks
 - 900 Chromebooks

Data analysis

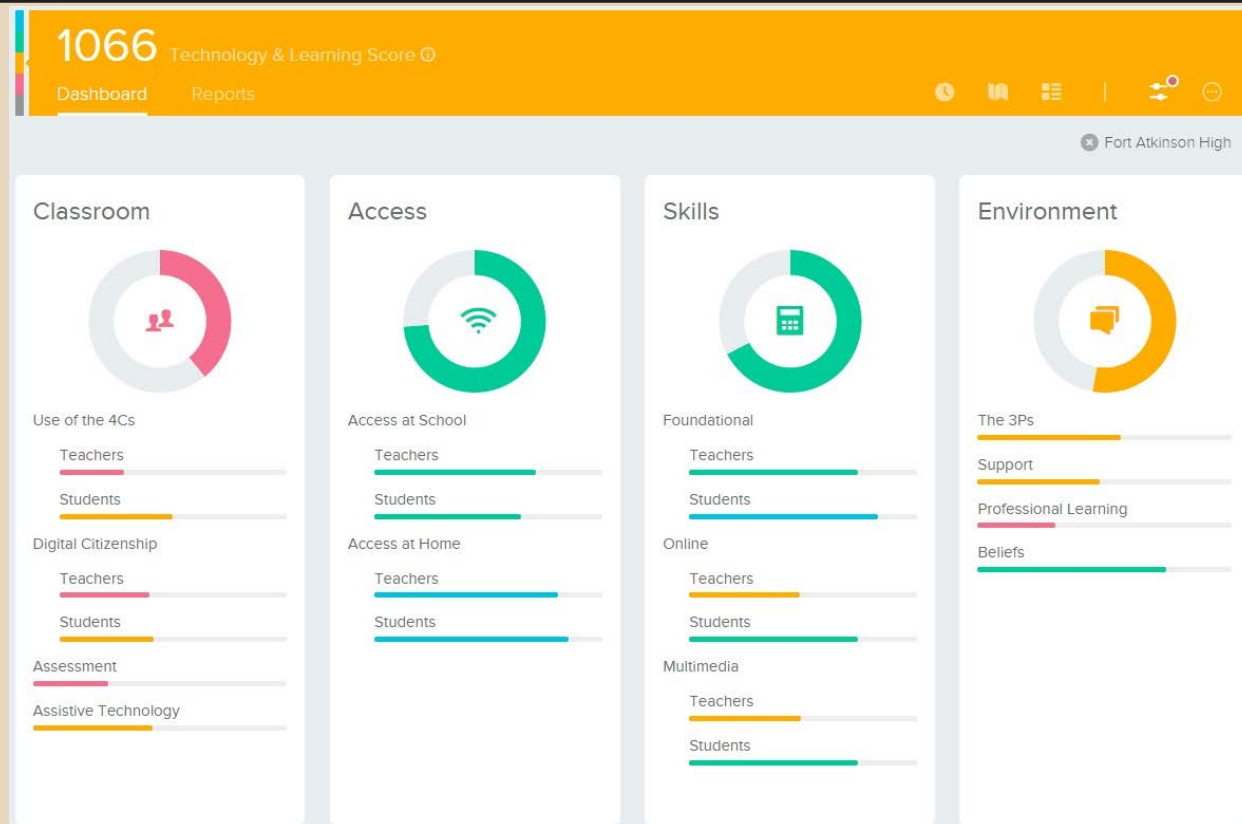
What gets measured gets done - Six Sigma

Data warehouse within PowerSchool

- State testing
- Local data

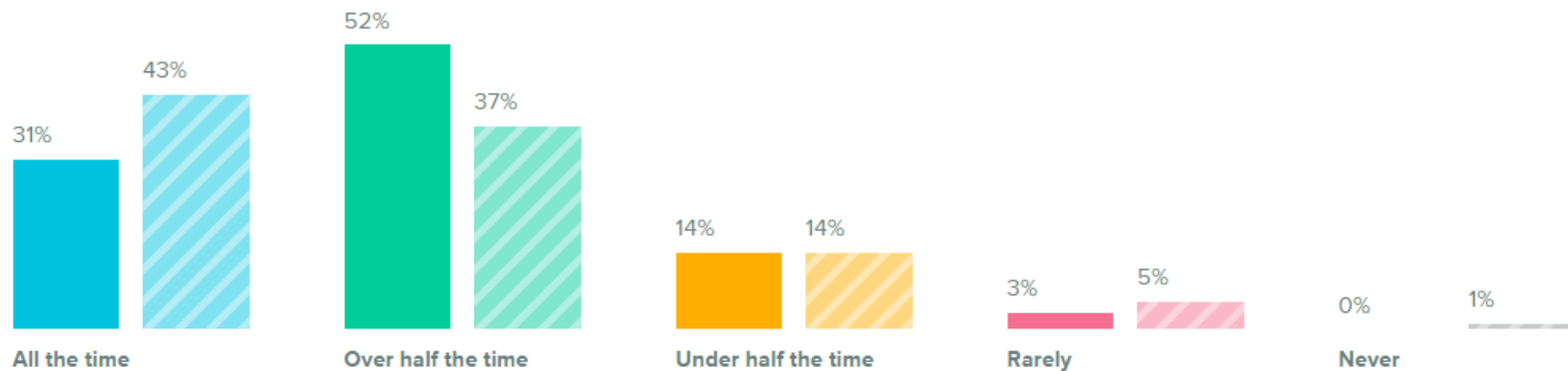
High Stakes testing

BrightBytes Survey - High School



FAHS accessibility to computers

🖥️ Teachers are able to obtain computers for their students when they need them



COMPARE

Current
Solids

Wisconsin
Stripes



Student access from home



Student Access to Internet and Wireless at Home



of your students have Internet access at home

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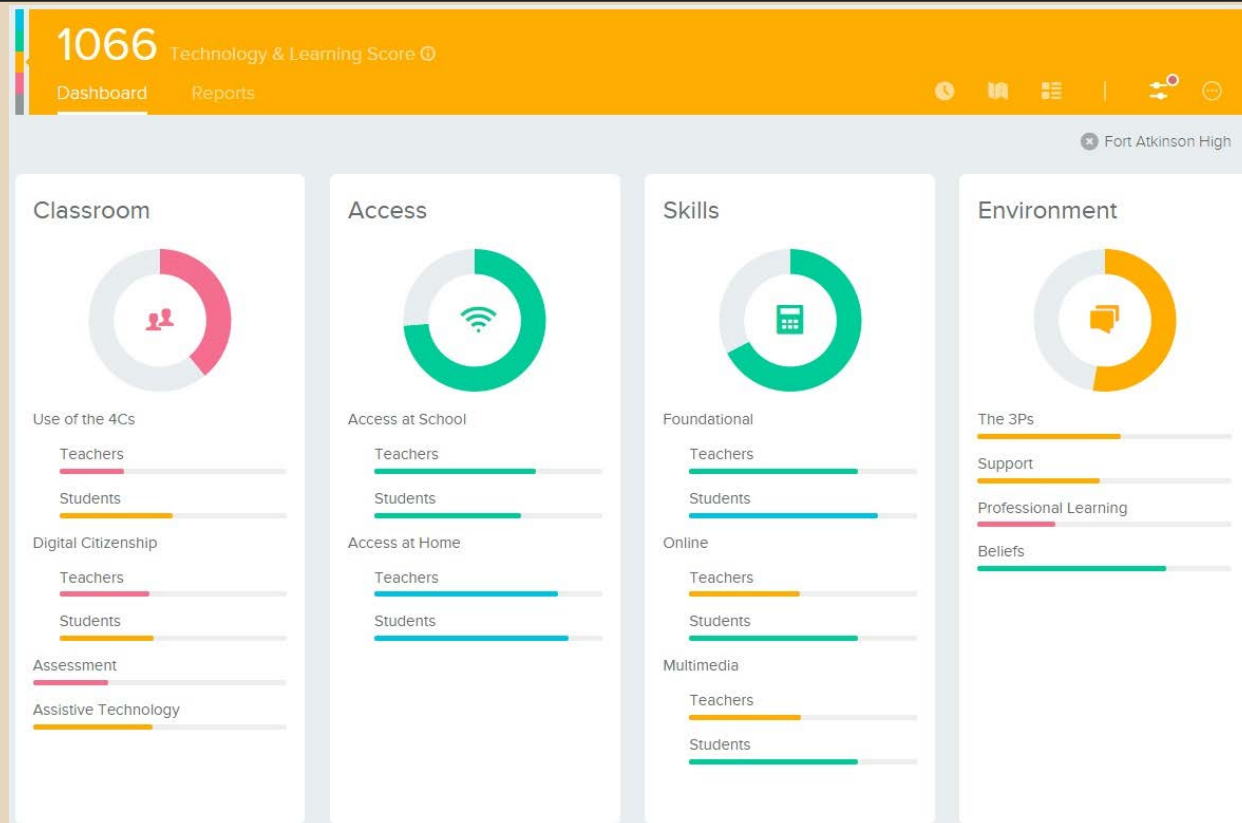
99% Have wireless Internet access

1% Have wired Internet access

Why This Matters

Access to the Internet and wireless at home makes students more likely to have good online skills and increases access to learning resources (Pew Research Center, 2012).

There is still work to do



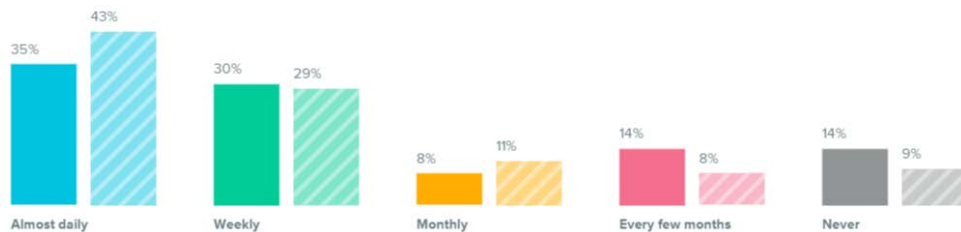
There is still work to do

4 Cs

- Communication
- Collaboration
- Critical thinking
- Creativity



Teacher-reported frequency of student computer use in the classroom



COMPARE

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Why This Matters

The problems of the digital divide, wherein wealthier students have more technology and access to high-speed internet than students living in poverty, makes access and use of student computers in the classroom all more important (Barone, 2012).

Technology 2015 - summary

- Good computer access
 - 1:1 goal
 - Personalized learning
 - Project Red - <http://www.projectred.org/>
- Poised for the future
 - BrightBytes report
 - Quick wins
 - Game changers
 - Connections to innovators
 - Connections to experts