

## CURRICULUM AND EDUCATION COMMITTEE

August 14, 2019

### BrightBytes Survey Report- Item 5

Each component of the BrightBytes survey addresses a different aspect of healthy technology integration. The key components are

- Student Learning Experiences
- Leadership for Change
- Professional Learning
- Learning-Focused Access

The components are accessed via the responses from seven (7) categories and those results are provided for you.

#### Categories

**21<sup>st</sup> Century Learning** – requires organizations to meet the current requirements of our standardized tests while striving to achieve the 4 C's: communication, collaboration, creativity, and critical thinking.

**Results:**57% of students are asked to collaborate online with classmates at least monthly  
24% of students are asked to write online at least monthly  
56% of students are asked to identify and solve authentic problems using technology monthly  
24% of teachers ask their students to complete online assessments at least monthly  
71% of teacher spend less than 3 hours per year teaching digital citizenship  
47% of teachers who use assistive technology use it with students at least monthly

**Infrastructure at School** – teacher and student access to technology at school is a pre-requisite for 21<sup>st</sup> Century Learning.

**Results:**81% of teachers can get devices for their students when needed more than half the time  
44% of teachers report high quality internet speed  
87% of teachers have access to a computer for their own use all the time at school  
84% of teachers report a typical student to computer ratio of 2:1 or 1:1

**Infrastructure at Home** – teacher and student access to technology at home deeply affects the learning environment. Students who are able to access technology at home can engage in anytime, anywhere learning.

**Results:**99% of teachers have access to the internet at home  
94% of students have access to the Internet at home  
90% of teachers have access to a device at home  
85% of student have access to a device at home  
34% of teachers share their device at home  
42% of students share their device at home

**Curriculum** – Classrooms that prepare students for college and career seamlessly integrate technology into daily instruction in a way that intentionally scaffolds student’s technology skills.

**Results:**36% find foundational skills easy tasks to perform (sending emails, creating spreadsheets  
44% readily utilize online skills  
67% find multimedia skills easy to perform (record/edit video)  
63% agree that using technology in learning and daily life enhances both  
20% believe they were taught digital citizenship skills

**Professional Development** – effective professional development for teachers can have an enormous impact on teaching and learning.

**Results:** 56% of teachers find foundational skill easy tasks to perform  
76% of teachers readily utilize online skills  
33% find multimedia skills easy to perform  
88% of teachers agree that using technology in learning and daily life enhances both  
25% believe that they are highly knowledgeable of digital citizenship skills

**Technology Support** – high quality, speedy, educative technology support is the catalyst for teachers trying new instructional techniques that employ technology.

**Results:**44% of teachers perceive the quality of internet speed at school to be excellent or above average  
21% of students are part of a student technology support team  
21% of teachers rate the quality of interactive whiteboards at school as excellent or above average  
21% of teachers rate the quality of tech support for problems disrupting instruction as excellent or above average  
68% of teachers believe they can fix technology problems they encounter  
11% of teachers rate the quality of devices at school as excellent or above average  
46% of teachers receive instructional tech planning with a week of their request

**Supervisory** – effective leadership and supportive policies can greatly impact the learning environment.

**Results:**21% of teachers feel recognized for using technology in their teaching more than half the time  
32% of teachers report that technology is part of classroom observations or visits more than half the time  
22% of teachers report that technology is a topic at department or grade-level meetings more than half the time  
57% of teachers believe that school internet filters get in the way of learning more than half the time