Information & Technology

DISTRICT OFFICE

FALL, 2015

Amy Pugh, Information Technology Director

Continuous Improvement Overview

Information Technology (IT) continues to be active in supporting the District's focus on improving student achievement. Our vision focuses on creating classroom environments where students engage in collaborative, inquiry-based learning, facilitated by educators who are able to use technology to transform knowledge and skills into solutions, new information, and products.

The 2015-16 Technology PDSA goal focuses on the design of a comprehensive K-12 Digital Citizenship curriculum. The work of the K-12 Technology Committee will be to identify grade level standards and learning targets level for students based on the ISTE Standards and the 9 Elements of Digital Citizenship, and connect these to authentic learning opportunities in other curricular areas. Additionally, the team will focus on designing and deploying PD for teachers on the habits of Digital Citizenship, so as to increase teacher capacity to instruct students.

Scorecard goals focus on increasing student technology proficiency, increasing parental awareness on the use of social media as a communication tool, expanding professional learning opportunities via the EdTech coaches, and increasing departmental operations and efficiencies.

Key Results from 2014-2015 School Year

Strategic Plan Aligned Goal/3-Year SMART Goal:
By June 2017, 100% of grade 8 students will score in the Proficient range (300-400) of the Digital Citizenship module, as measured by the 21st Century Skills Assessment.

2014-15 SMART Objective:
By June 2015, 50% of grade 8 students will score in the Proficient range (300-400) of the Digital Citizenship module, as measured by the 21st Century Skills Assessment. (new assessment – setting baseline data)

Action Plan Progress:
In the fall of 2014, **52%** of the grade 8 students (2019 cohort) scored in the combined Advanced & Proficient categories on the *Digital Citizenship module* of the 21st Century Skills Pre-Assessment. The percentage of students scoring in the combined Advanced & Proficient categories on the spring 2015 post-assessment increased to **66%**, exceeding the target baseline goal.

The K-12 Technology Committee met throughout the year to review the current Digital Citizenship Scope & Sequence and to research options to authentically embed digital literacy and citizenship skills to students' daily learning. The committee followed the Curriculum Renewal Process and completed a research summary and identified value statements. This resulted in the identification of the ISTE standards and the 9 Elements of Digital Citizenship as the foundation of the work to be completed in the 2015-16 school year, as the team identifies priority standards and learning targets at each grade level.
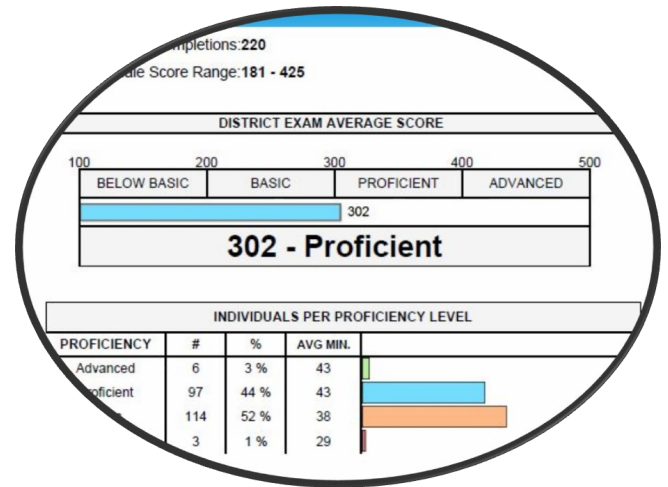
2014-15 SMART Objective:

By June 2015, 50% of grade 8 students will score in the Proficient range (300-400) of the *Digital Citizenship module*, as measured by the 21st Century Skills Assessment. (new assessment – setting baseline data)

Students in grades 7 & 8 were assessed on individual technology proficiency using the 21st Century Skills Assessment. The 21st CSA measures a variety of skills aligned to the National Education Technology Standards for Students, including:
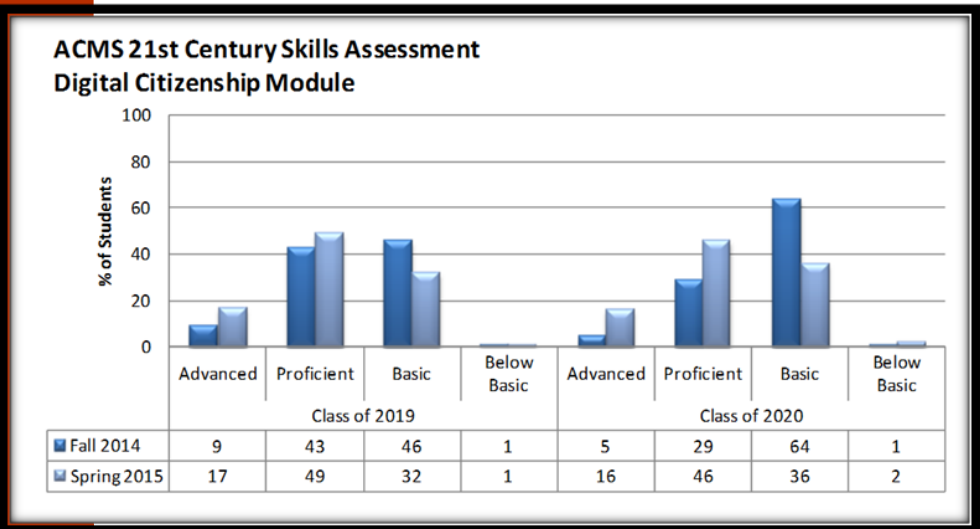
Creativity & Innovation
Communication & Collaboration
Research & Information Fluency
Digital Citizenship
Critical Thinking, Problem Solving,
    Decision Making
Digital Citizenship
Technology Operations & Concepts

In the fall of 2014, **52%** of the grade 8 students (2019 cohort) scored in the combined Advanced & Proficient categories on the *Digital Citizenship module* of the 21st Century Skills Pre-Assessment. The percentage of students scoring in the combined Advanced & Proficient categories on the spring 2015 post-assessment increased to **66%**, exceeding the target baseline goal.

Thirty-four percent (**34%**) of students in grade 7 (2020 cohort) scored in the combined Advanced & Proficient categories on the *Digital Citizenship module* of the 21st Century Skills Pre-Assessment in the fall of 2014. The percentage of students scoring in the combined Advanced & Proficient categories on the spring 2015 post-assessment increased to **62%**.

ACMS 21st Century Skills Assessment Digital Citizenship Module

	Advanced	Proficient	Basic	Below Basic	Advanced	Proficient	Basic	Below Basic
		Class of 2019				Class of 2020		
Fall 2014	9	43	46	1	5	29	64	1
Spring 2015	17	49	32	1	16	46	36	2

In the Coming Year….

Purpose: Provide classroom environments where students engage in collaborative, inquiry-based learning, facilitated by educators who are able to use technology to transform knowledge and skills into solutions, new information, and products.

2015-2016 1-Year SMART Goal:
By June 2016, the percent of Gr. 8 students (Class of 2020) scoring in the combined Advanced (401-500) and Proficient (300-400) categories of the *Digital Citizenship module will increase from 62% to 70%, as measured by the 21st Century Skills Assessment.*

Technology Key Focus Areas for 2015-2016

- K-12 Digital Citizenship curriculum: identify standards and craft learning targets for each grade level
- EdTech Learning Coaches increase job-embedded professional learning opportunities for teaching staff that focus on supporting authentic application of classroom technology
- Increase parental awareness on the use of social media as a communication tool in the district
- Departmental operations and efficiencies (time to resolve/timeliness)

2015-2016 Technology Scorecard

Student Learning	Service	People	Resources	Innovation
By June 2016, the percent of students enrolled in the 21st Century Technology Skills course (new required course at ACMS), scoring in the combined Adv./Prof. category (technology proficiency assessment) will increase from 33% to 75%, as measured by the 21st Century Skills Assessment. By June 2016, the percent of students enrolled in the 21st Century Technology Skills course (new required course at ACMS), scoring in the Advanced category will increase from 4% to 7%, as measured by the 21st Century Skills Assessment.	By June 2016, the percentage of students (grades 5-12) with laptop insurance will increase from 34% to 40%, as measured by laptop purchase logs. By June 2016, the percentage of parents indicating "Not Applicable" to the the question "How well does the school communicate via Facebook/Twitter?" will decrease from 61% to 56%, as measured by the Parent Satisfaction Survey.	By June 2016, the Information Technology Dept., will increase end-user satisfaction with "Was the response or solution delivered when promised?" (Timeliness) from 4.15 to 4.20, as measured by the District Services Survey (Studer Education). By June 2016, the percentage of teachers participating in 9 or more hours of school-sponsored PD (technology-related) will increase from 50% to 55%, as measured by the Clarity Survey.	By June 2016, the yearly average for time to resolve IT work tickets will decrease from 69 hours to 60 hours, as measured by the online HelpDesk service. By June of 2016, 80% of teachers participating in one-on-one EdTech coaching will indicate they are satisfied or highly satisfied with the quality of coaching received, as measured by the Employee Satisfaction Survey and Learning Coach exit ticket/survey.	By June 2016, the percent of Gr. 8 students (Class of 2020) scoring in the combined Advanced (401-500) and Proficient (300-400) categories of the Digital Citizenship module will increase from 62% to 70%, as measured by the 21st Century Skills Assessment.

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