Technology

DISTRICT OFFICE

FALL, 2014

Amy Pugh, Information Technology Director

Continuous Improvement Overview

Information Technology (IT) continues to be vital in supporting the District's focus on improving student achievement. The District's Information & Technology Literacy Plan 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 2014-15 Technology PDSA goal focuses on the research and design of a comprehensive K-12 Digital Citizenship curriculum. Scorecard goals focus on increasing student and staff technology proficiency, expanding learning opportunities for parents on technology practices in the District, and increasing departmental operational efficiencies (time to resolve work tickets).

Key Results from 2013-2014 School Year

Strategic Plan Aligned Goal/3-Year SMART Goal:
By June 2014, PSD Grade 8 students will increase technology proficiency from 44 to 100% as measured by the Technology Proficiency Assessment.

2013-14 SMART Objective:
By June 2014, PSD Grade 8 students will increase technology proficiency from **95 to 100%** as measured by the Next Generation Assessment for Middle School.

Action Plan Progress: On the Spring 2013 assessment, 78.7% of the students in the 2018 Graduation cohort scored in the proficient category. Students were retested in late Winter 2014, and of those retested (39) , *all* scored "Proficient", bringing the total Grade 8 proficiency to 100%, meeting the Strategic Plan Aligned Goal.

On the Fall 2013 assessment, 72.0% of the students in the 2019 Graduation cohort scored in the proficient category, increasing to 86.5% in the proficient category on the Spring 2014 assessment.

1-YEAR SMART OBJECTIVE:

By June 2014, PSD Grade 8 students will increase technology proficiency from 95% to 100% as measured by the Technology Proficiency Assessment.

Students in grades 7 & 8 are assessed on individual technology proficiency using the Next Generation Assessment (NGA). NGA's student assessments measure a variety of skills aligned to the National Education Technology Standards for Students, as well as the 21st Century Student Outcomes and Skills. Individual student technology proficiency is assessed giving an overall score as well as a score in the following
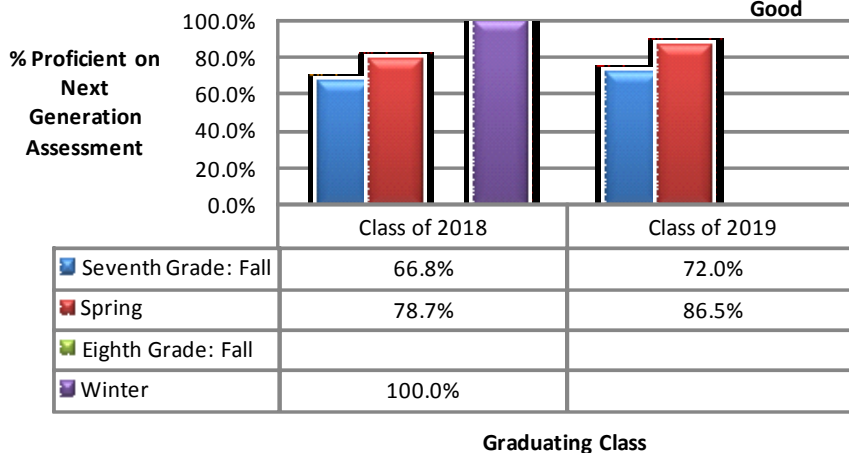
areas:

- Creativity & Innovation
- Communication & Collaboration
- Research & Information Fluency
- Digital Citizenship
- Critical Thinking, Problem Solving, Decision Making
- Technology Operations & Concepts

Student Technology Proficiency Cohort Analysis

% Proficient on Next Generation Assessment

Good

	Class of 2018	Class of 2019
🔷 Seventh Grade: Fall	66.8%	72.0%
🟥 Spring	78.7%	86.5%
🟩 Eighth Grade: Fall		
🟪 Winter	100.0%	

Graduating Class

Students are assessed in the fall (and spring) of their 7th grade year to determine individual proficiency (students are not retested once they have scored "proficient"), using the Next Generation Assessment for Middle School. On the Spring 2013 assessment, 78.7% of the students in the 2018 Graduation cohort scored in the proficient category. Of those tested, 39 students in this cohort scored "Not Proficient". Student gaps were identified by standard areas and seminars on these topics were held, offering students focused, differentiated instruction. Students were retested in late Winter 2014, and of those retested (39) , *all* scored "Proficient", bringing the total Grade 8 proficiency to 100%.
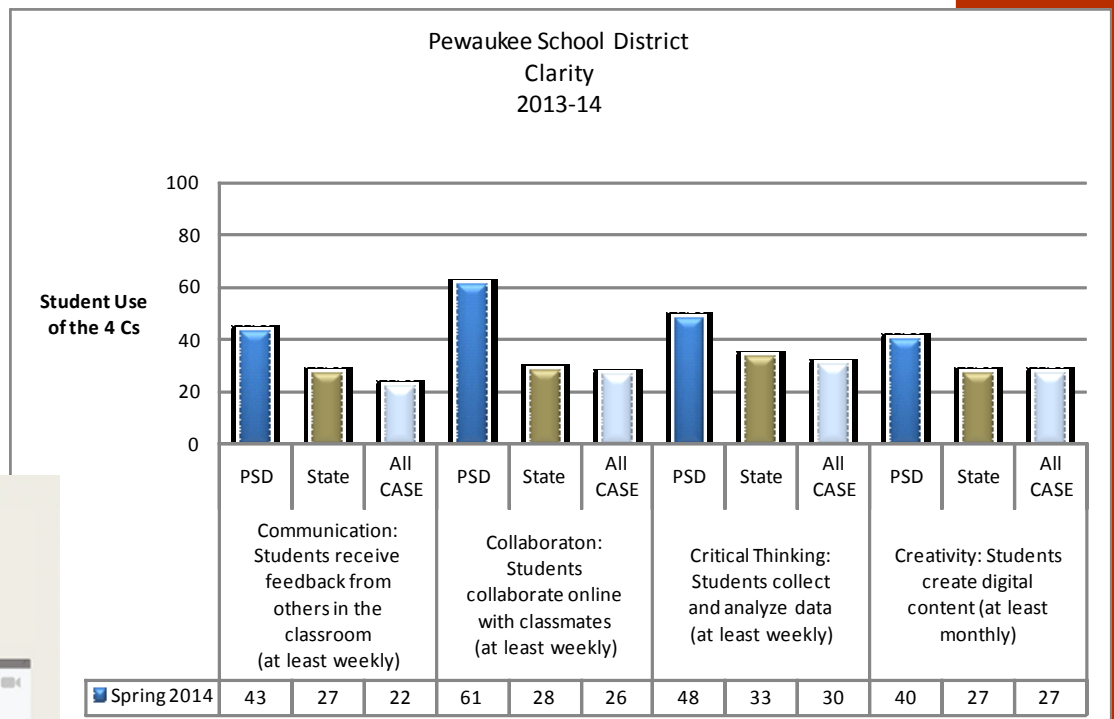
Learning *through* Technology:

a CASE for Measuring Impact

The Clarity survey was given in the fall and spring of the year (2013-14), providing valuable data on the impact of technology integration in the classroom. The CASE framework includes four domains: **C**lassroom Use, **A**ccess, **S**kills, and **E**nvironment, and examines how teachers and students use specific technologies in the classroom for learning. Student and teacher *skills*, as well as policies and issues that impact the learning *environment*, are also assessed. The District and schools are scored across the 4 domains based on the survey responses of teachers and students.

67%
of students are asked to identify and solve authentic problems using technology at least monthly

The **overall** district score on the CASE Framework grew from **1099 (Proficient)** in the fall of the year, to **1109 (Advanced)** in Spring 2014.

Technology is a key driver towards instruction that impacts student learning outcomes. Students must have regular opportunities to engage in communication, collaboration, creativity, and critical thinking. In addition, they must have access to the instant feedback enabled by digital assessment and online collaboration. Being aware of the classroom setting and the typical learning experiences afforded to students in Pewaukee School District is a key factor in cultivating 21st Century Learning.

84%
of students are asked to collaborate online with classmates at least monthly

Pewaukee School District
Clarity
2013-14

Student Use of the 4 Cs

	PSD	State	All CASE	PSD	State	All CASE	PSD	State	All CASE	PSD	State	All CASE
Spring 2014	43	27	22	61	28	26	48	33	30	40	27	27

Communication: Students receive feedback from others in the classroom (at least weekly)

Collaboraton: Students collaborate online with classmates (at least weekly)

Critical Thinking: Students collect and analyze data (at least weekly)

Creativity: Students create digital content (at least monthly)

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.

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 1-Year SMART Goal:
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)

Key Focus Areas for 2014-2015 Technology (Strategic Plan)

- Research & update comprehensive, K-12 Digital Citizenship curriculum
- EdTech Learning Coaches will support job-embedded professional learning opportunities for teaching staff, that focus on supporting authentic application of classroom technology
- Expand learning opportunities for parents on the current technology practices in the District
- Migrate to Windows 7 OS across District

2014-2015 Technology Scorecard

Student Learning	Service	People	Finance/Operations
By June 2015, PSD Grade 8 students (Class of 2019) will increase proficiency from 86.5% to 100%, as measured by the technology proficiency assessment. By June 2015, increase the percentage of teachers participating in 17-32 hours of school-sponsored PD (technology) from 19% to 25%, as measured by the Clarity Survey.	By June 2015, increase participation in technology related parent learning sessions by 5%, as measured by session attendance logs.	By June 2015, in order to build organizational rapport and improve department visibility, the IT Dept. will participate in at least 2 District celebration/recognition events (Welcome Back, holiday gathering, Year End, etc.).	By June 2015, the yearly average for time to resolve IT work tickets will be 50 hours, as measured by the online HelpDesk service.

http://pewaukeeschools.schoolfusion.us/

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Through our all unique campus setting, the Pewaukee Public School District will open the door to each child's future
We are:
~ Passionate about Academic Excellence
~Committed to Fostering Positive Citizenship
~Dedicated to Inspiring all students to flourish