



Jan 1, 2022 to Present

21ST CENTURY LEARNING

Nanuet Union Free School
District



A research report from *Adobe Education* notes that, "In today's world, a proficient employee needs to be computer literate, visually literate, information literate, media literate, and digitally literate."

21st Century Learning requires organizations to meet the current requirements of our standardized tests while also striving to achieve the 4Cs: communication, collaboration, creativity, and critical thinking. The skills needed for success in college and career are becoming increasingly complex, and schools must rise to meet new demands.

New academic standards and accountability measures across the nation have broadened the classroom experiences required for proficiency. As expectations rise, students are struggling to keep up. This trend is evidenced by falling preliminary assessment scores across the nation. Traditional instruction may be to blame. In their recent investigation of 21st Century Learning, *National Academies Press* found that rote learning does not support the educational transfer necessary to tackle the complex problems demanded by intensified academic standards. Students must be exposed to unfamiliar problems and encouraged to design meaningful solutions. Technology is a tool for such problem solving. A national *Walden University* study reports that teachers who use technology frequently place the highest emphasis on problem solving.

In addition to meeting traditional academic standards, students must also be prepared to tackle the demands of a modern world and modern workforce. A research report from *Adobe Education* notes that, "In today's world, a proficient employee needs to be computer literate, visually literate, information literate, media literate, and digitally literate." According to a report from the *Partnership for 21st Century Skills*: "Many of the fastest-growing jobs and emerging industries rely on workers' creative capacity - the ability to think unconventionally, question the herd, imagine new scenarios, and produce astonishing work." Technology assists with this type of capability. *Pew* reports that 76% of Advanced Placement and National Writing Project teachers believe that digital tools such as the Internet, social media, and cell phones "encourage student creativity and personal expression." In addition, the National Writing Project reports that the creation and consumption of multimedia increases the likelihood of deeper learning and longer skill retention.

Technology is a key driver towards instruction that impacts student learning outcomes, both on standardized assessments and for 21st Century Learning skills. Students must have regular opportunities to engage in the 4Cs. In addition, they must have access to the instant feedback enabled by digital assessment and customized assistive technology. Being aware of the classroom setting and the typical learning experiences afforded to students in your organization is the first step towards the cultivation of 21st Century Learning.

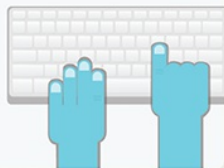
72%

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



18%

of students are asked to write online at least monthly



45%

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



48%

of teachers ask their students to complete online assessments at least monthly



75%

of teachers spend less than 3 hours per year teaching digital citizenship



56%

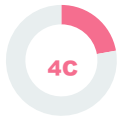
of your teachers who use assistive technology use it with students at least monthly

Contributing Factors

The factors that most contribute to the success of your organization include ...

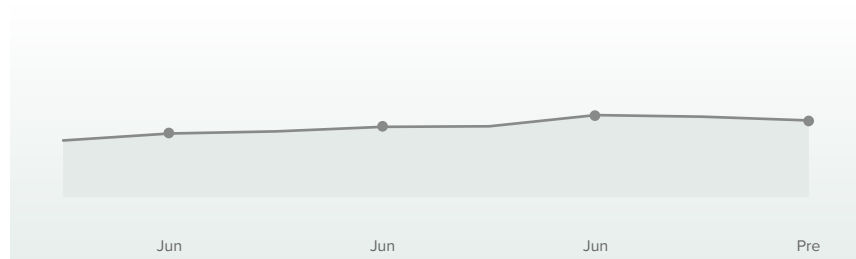
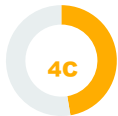
TEACHER USE OF THE 4CS

EMERGING



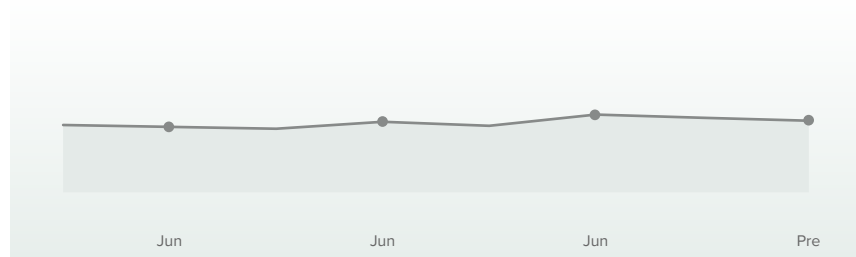
STUDENT USE OF THE 4CS

PROFICIENT



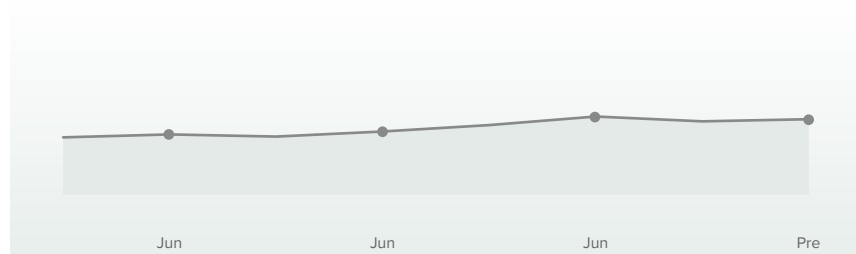
TEACHER DIGITAL CITIZENSHIP

PROFICIENT

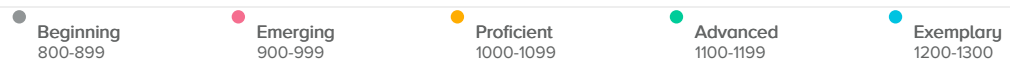


STUDENT DIGITAL CITIZENSHIP

PROFICIENT



CASE™ Score Legend

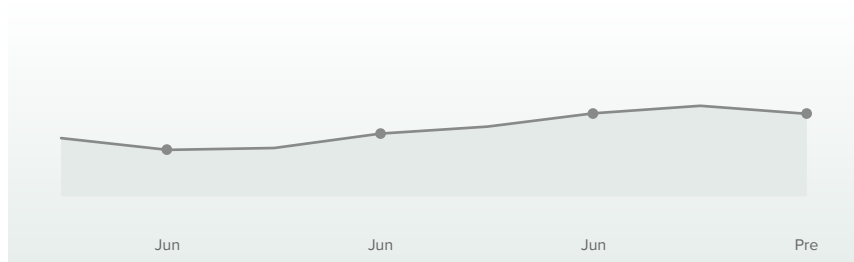


21ST CENTURY LEARNING REPORT

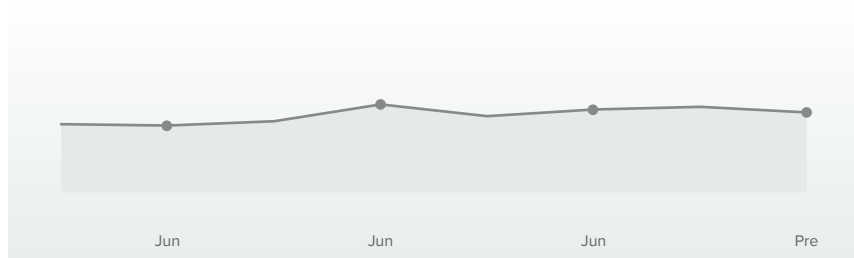
NANUET UNION FREE SCHOOL DISTRICT

CLASSROOM
ACCESS
SKILLS
ENVIRONMENT

ASSESSMENT
PROFICIENT



ASSISTIVE TECHNOLOGY
PROFICIENT



CASE™ Score Legend

Beginning
800-899

Emerging
900-999

Proficient
1000-1099

Advanced
1100-1199

Exemplary
1200-1300

Jan 1, 2022 to Present

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BrightBytes

SCHOOL SCORECARD

Schools	Date Range	Student Use of the 4Cs	Teacher Use of the 4Cs	Assessment	Assistive Technology	Student Digital Citizenship	Teacher Digital Citizenship
A Macarthur Barr Middle School	Apr 5, 2022 - May 9, 2022	●	●	●	●	●	●
George W Miller Elementary School	Apr 5, 2022 - May 9, 2022	●	●	●	●	●	●
Highview Elementary School	Apr 5, 2022 - May 9, 2022	●	●	●	●	●	●
Nanuet Senior High School	Apr 5, 2022 - May 9, 2022	●	●	●	●	●	●

CASE™ Score Legend



Beginning
800-899



Emerging
900-999



Proficient
1000-1099



Advanced
1100-1199



Exemplary
1200-1300