

*Jan 1, 2017 to Present*

# **21ST CENTURY LEARNING**

*Nanuet Union Free School District*



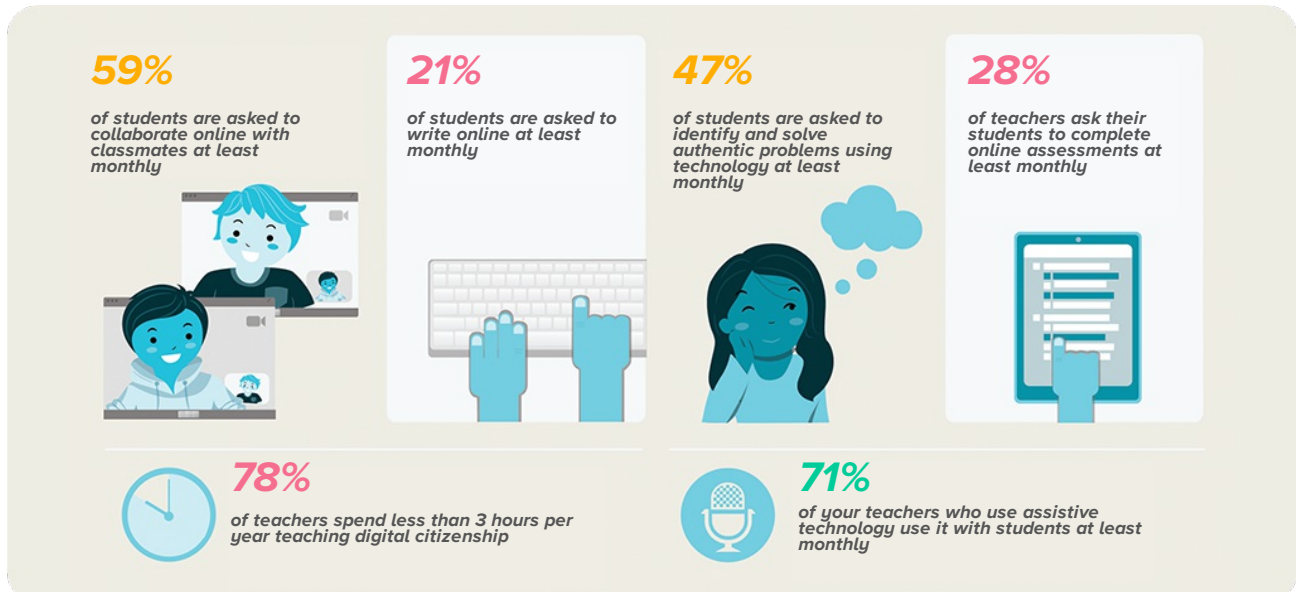
A research report from Adobe Education notes that, "In today's world, a proficient employee needs to be computer literate, visually literate, information literate, media literate, and digitally literate."

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.

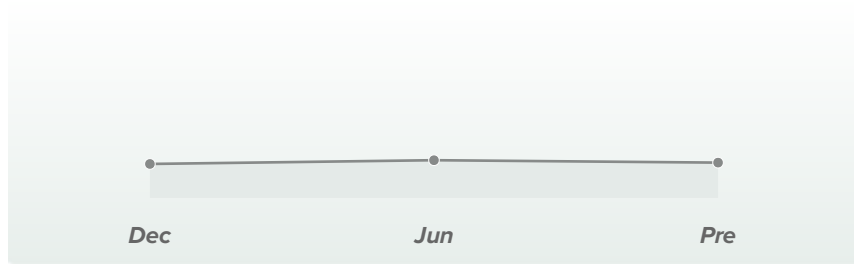
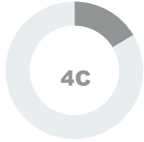
Technology is a key driver towards instruction that impacts student learning outcomes, both on standardized assessments and for 21st Century Learning skills. Students must have regular opportunities to engage in the 4Cs. In addition, they must have access to the instant feedback enabled by digital assessment 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.



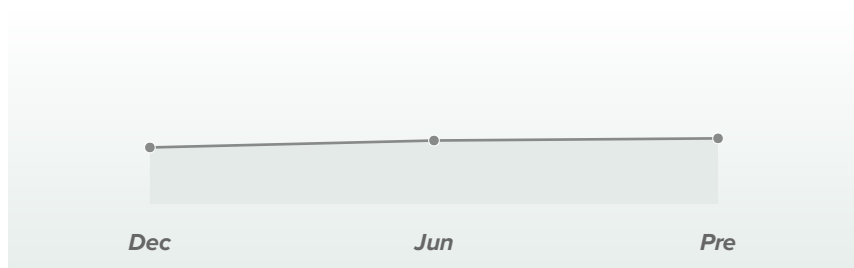
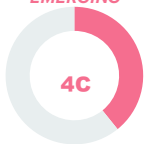
Contributing Factors

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

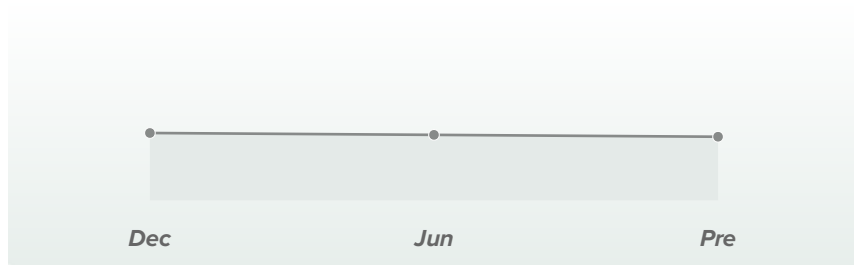
TEACHER USE OF THE 4CS  
 BEGINNING



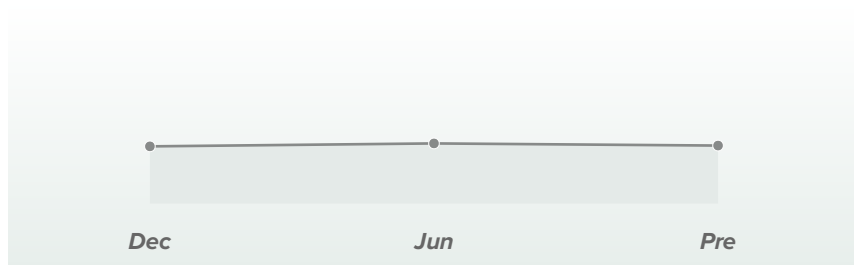
STUDENT USE OF THE 4CS  
 EMERGING



TEACHER DIGITAL CITIZENSHIP  
 EMERGING

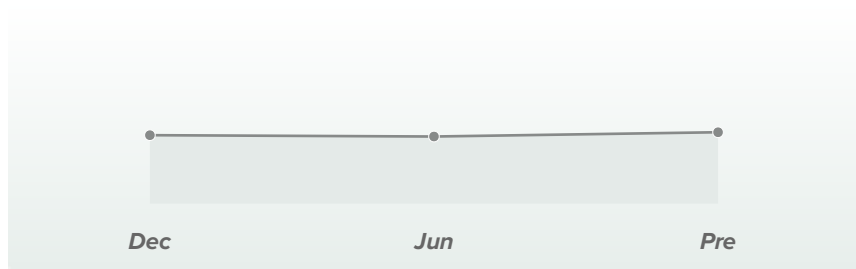
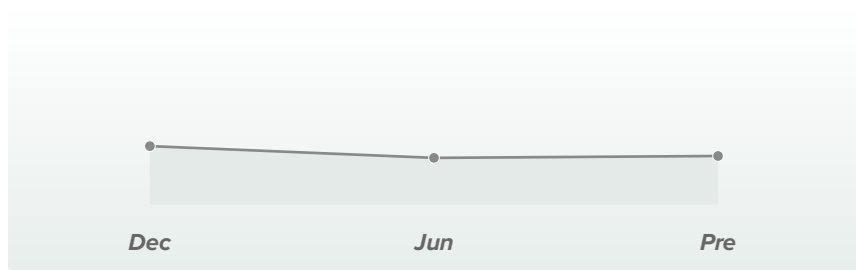


STUDENT DIGITAL CITIZENSHIP  
 EMERGING



CASE™ Score Legend

- Beginning  
800-899
- Emerging  
900-999
- Proficient  
1000-1099
- Advanced  
1100-1199
- Exemplary  
1200-1300



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**SCHOOL SCORECARD**

| Schools                                  | Date Range                        | Student Use of the 4Cs | Teacher Use of the 4Cs | Assessment | Assistive Technology | Student Digital Citizenship | Teacher Digital Citizenship |
|--|-----------------------------------|------------------------|------------------------|------------|----------------------|-----------------------------|-----------------------------|
| <i>A Macarthur Barr Middle School</i>    | <i>Apr 3, 2017 - Apr 24, 2017</i> | ●                      | ●                      | ●          | ●                    | ●                           | ●                           |
| <i>George W Miller Elementary School</i> | <i>Apr 3, 2017 - May 8, 2017</i>  | ●                      | ●                      | ●          | ●                    | ●                           | ●                           |
| <i>Highview Elementary School</i>        | <i>Apr 3, 2017 - Apr 24, 2017</i> | ●                      | ●                      | ●          | ●                    | ●                           | ●                           |
| <i>Nanuet Senior High School</i>         | <i>Apr 3, 2017 - Apr 24, 2017</i> | ●                      | ●                      | ●          | ●                    | ●                           | ●                           |

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