Examining Issues Critical to a 1:1 Learning Environment: English Language Learners

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Project Description

• Every teacher and student received a laptop computer, and wireless Internet access was provided throughout the school.
• 18 1:1 pilot high schools (8 early college, 10 traditional)
• approximately 9,500 students and 600 school staff.

Goal of the Initiative

To use the technology to improve teaching practices, increase student achievement, and better prepare students for work, citizenship, and life in the 21st century.

Results

Demographics

<table>
<thead>
<tr>
<th>% of students with a non-school issued computer at home</th>
<th>% of students who are allowed to take the laptop provided by the 1:1 project home</th>
<th>% of students who have taken an online course through each provider</th>
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<table>
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<tr>
<th>% of students who are able to connect to the internet from home</th>
<th>% of students at each grade level</th>
<th>% of students who identified themselves as:</th>
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<th>% of students who use each service to connect to the internet from home</th>
<th>% of students indicating they normally receive each grade in school</th>
<th>% of students who selected each option as the highest level of education completed by their parents</th>
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<th>% of students who received a laptop from school</th>
<th>% of students at each skill level in the use of a laptop</th>
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1:1 and language skills practice

Benefits of 1:1 to ELL learners

• Equity
• More engagement and motivation
• Improved self-confidence
• More communication
• More access to technology at home
• More parental involvement
• Improved organization and time management skills
• Improved efficiency and quality of work
• Improved typing skills
• Improved understanding and learning of content
• Better appeal to different learning styles
• Facilitated more opportunities for cooperation
• Contributed to students getting better grades

Summary

• The 1:1 initiative has narrowed the gap in access to technology between ELL students and non-ELL students.
• The 1:1 initiative positively impacted ELL students’ engagement and motivation, self-confidence, 21st century skills, and communication.
• ELL students used the laptops for a variety of activities but most often to type and to search for information online.
• ELL students used the laptops across subject areas to practice their English skills.