Schools in the Pilot

**Keaau Elementary**
- 857 students, 79% economically disadvantaged

**Mililani Mauka Elementary**
- 893 students, 16% disadvantaged

**Mililani Waena Elementary**
- 744 students, 32% economically disadvantaged

**Moanalua Middle**
- 839 students, 70% economically disadvantaged

**Nanaikapono Elementary**
- 929 students, 91% economically disadvantaged

**Nanakuli Elementary**
- 451 students, 87% economically disadvantaged

**Nanakuli High and Intermediate**
- 970 students, 81% economically disadvantaged

**Pahoa Elementary**
- 449 students, 92% economically disadvantaged
More Than Laptops

- Supporting Teachers
- Connecting to Resources
- Teaching and learning expanded beyond textbooks and classroom walls
More Than Laptops

- Teachers leveraging technology.
- Students engaging in learning beyond the four walls of the classroom.
- School safety resources and partnerships, digital device usage policy, and change management guide.
- Professional Development for all administrators, teachers, and technology coordinators.
The legislature appropriated $8,219,659 to fully implement a 1:1 pilot program in School Year 2013-2014.

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>$7,998,940.00</td>
<td>Funds directly to schools to help offset curriculum costs, <strong>devices</strong> for every teacher and student, <strong>software</strong>, and a 6% <strong>spare pool</strong> at each school; <strong>warranties</strong>; <strong>vouchers</strong> to purchase educational <strong>apps</strong> and <strong>cases</strong> for iPads; <strong>carts</strong> for storage and charging; a portion of the <strong>professional development</strong>; and <strong>technical support</strong>.</td>
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<tr>
<td>$182,209.75</td>
<td>Funds directly to schools to purchase <strong>substitute teachers</strong>, overall <strong>project management</strong> and <strong>evaluation</strong>.</td>
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<tr>
<td>$38,509.29</td>
<td>Funds directly to schools to purchase <strong>asset tags</strong> for devices, classroom management <strong>applications</strong>, and an <strong>evaluation tool</strong>.</td>
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</tbody>
</table>
Some of what we’re seeing...

- Students at Keaau Elementary going on a virtual field trip to the Honolulu Zoo with students from UH Lab School.

- Students at Pahoa Elementary creating classroom rules for using the devices responsibly (in addition to the Digital Device Usage Policy).

- Students at Moanalua Middle using devices during band to connect more deeply with music by learning about composers and their context.

- Teachers in Nanakuli working with students on how to “hug and hold” their devices to prevent damage.
Baseline Evaluation Results

“We do more sharing of documents – now more than ever before. Google Docs will let us post a document and then other members of my [grade-level] team can examine and make changes.”
— Teacher interview, Fall 2013

Figure 8: Percent of Teachers who believe Laptops help save time

<table>
<thead>
<tr>
<th></th>
<th>Extremely/Very Effective</th>
<th>Will save time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creating assignments</td>
<td>94%</td>
<td>88%</td>
</tr>
<tr>
<td>Planning for instruction</td>
<td>93%</td>
<td>90%</td>
</tr>
<tr>
<td>Presenting lessons</td>
<td>92%</td>
<td>82%</td>
</tr>
<tr>
<td>Teacher administration communication</td>
<td>90%</td>
<td>92%</td>
</tr>
<tr>
<td>Creating integrated lessons</td>
<td>82%</td>
<td>77%</td>
</tr>
<tr>
<td>Assessing students</td>
<td>79%</td>
<td>82%</td>
</tr>
</tbody>
</table>
Baseline Evaluation Results

Giving the right tools, and teaching students how to use these tools will increase student participation at a greater level — increase critical thinking, and give the students life skills needed in the world around them. (Teacher survey, Fall 2013)

- 83-84% of teachers believe the computers will help them improve the quality of student work for traditional students, high achieving students, and at-risk/SPED/ELL students.

- 84% of teachers believe the devices will improve student preparation for class for high achieving and at-risk/SPED/ELL students.
Baseline Evaluation Results

More planning time for schools in advance of professional development.

- In order to fully implement by the end of school year 2013-2014, the Department accelerated its timeline. Schools were notified of participation in July 2013, with devices going to teachers in October 2013.

More time for targeted professional development before deploying the student devices.

- In order to fully implement by the end of school year 2013-2014, the Department accelerated its professional development timeline. All schools received professional development during the Fall semester and deployed the student devices by the end of February 2014.

Additional resources are required.

- This was a significant impact on technology staff at the school and state levels.
- Additional costs related to facility security.
- Ongoing costs associated with purchasing devices.
What’s Next?

- Targeted professional development, at each school, for teachers and technology coordinators, building upon the foundation provided in the first semester.

- Ongoing evaluation to build on the baseline data collected in early Fall 2013.
  
  - Surveys of administrators, teachers, technology coordinators, students, and parents.
  
  - Final report of findings in May 2014.
Some Closing Thoughts

“ Aloha all,

I just wanted to share what an amazing day I had today! I was fortunate enough to join Principal Higa and her team, as they continued deployment of their devices. We visited kindergarten, first, second, and third grade classes where Principal Higa had the teachers unlock their computer cart to reveal the devices to the class. Each student then cleaned their hands, pulled out his/her device from the cart, and placed it carefully on his/her desk. Principal Higa demonstrated how to lift the cover, turn the computer on and log in, as well as how to turn it off, close the cover and return it back to the cart.

The kids were so excited to receive their devices! Besides the oohs and aahhs, as well as the cheering, kids commented on how they were getting the same kind of computer their teacher has. Some students commented on how this was their first computer. One boy actually brought me to tears when he said, "This is the best day of my life!"

From the moment I heard that the Nanakuli complex was going to be in the pilot, I was so thrilled! This is bigger than just using a digital curriculum; this is about social justice for our kids. Many of our kids on the coast don't have the luxury of having a computer at home. At school, they have always had to share the computers in the classroom. Now, with their own device, they'll be able to do so much more. This pilot provides the opportunity to raise digital citizens, develop 21st century teaching & learning skills, and level the playing field between our kids and kids from more affluent communities.

Mahalo for this amazing opportunity!”
Some Closing Thoughts

- INSERT VIDEO FROM NANAKULI EL
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