If We Knew Then What We Know Now

Lessons Learned Throughout Phase 1 of Houston ISD’s Power Up 1:1 Initiative

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Becoming #GreatAllOver

OUR VISION

DRIVERS TO ACHIEVE OUR VISION

CULTURE OF EXCELLENCE

ENGAGED STAKEHOLDERS

RIGOR AND ACCOUNTABILITY

21ST CENTURY LEARNING

DIGITAL TRANSFORMATION

HOUSTON INDEPENDENT SCHOOL DISTRICT
Presentation Resources

Find all the materials at
http://www.livebinders.com

Live Binder ID: 1555347
Password: inclusion
If We Knew Then What We Know Now:

Lessons learned throughout Phase 1 of Houston ISD’s PowerUp 1:1 Initiative
1:1 / BYOD / X:1
Who’s Doing it?
Where is your school district regarding 1:1 tech implementation?

- We’ve done it.
- We’re doing it now.
- We’re thinking about it.
- Some of us are talking about it.
- I’m not aware of any steps taken in this direction.
When a school district can effectively teach the students who struggle, whether they are under the umbrella of special education, ELL, or are just on campus radar for potential need of intervention, then that district can effectively teach all students.

A quote from, “The future is in the margins: The role of technology and disability in educational reform” by Ann Meyer, Ed.D. and David Rose, Ed.D.
The Myth of Average

Todd Rose
February 1, 2013

Dr. Grier Unveils His Vision

HISD's Superintendent Unveils His Vision

"With anytime—anywhere learning, our students will have the world at their fingertips. We will make sure they learn skills that complement technology in order to prevent them from being replaced by technology." —Terry Grier, February 1, 2013, State of the Schools Address

HISD Superintendent Terry Grier outlines his vision during his 2013 State of the Schools Address for PowerUp, a comprehensive, districtwide plan to place a laptop in the hands of every high school student in order to create transformational, digital-age instruction.
April 25, 2013
Mr. Schad Unveils Implementation Plan

HISD Technology Chief
Lenny Schad Unveils
Implementation Plan to
School Board

"In order for PowerUp to be successful it must be a comprehensive, districtwide initiative that goes way beyond technology. Multiple departments including curriculum, technology, professional development, and instructional technology will play a crucial role in the development, planning and implementation of the initiative." —Lenny Schad, Chief Technology Officer

HISD's Chief Technology Officer Lenny Schad explains why multiple departments have been involved in the planning, development, and implementation of PowerUp, a comprehensive, districtwide plan to place a laptop in the hands of every high school student in order to create transformational, digital-age instruction.
Lesson #1: Flexibility in Use

1:1 Device Specifications – Special Education

Base Unit – Universal Design Features

What features are needed in the base unit to provide access and usability for all learners? (e.g. operating system, ports, integrated access methods [ ]

Special Education Basic Accessibility Test

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Suggested Feature Test Method</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Reader</td>
<td>Does tool read when opened?</td>
<td>Feature must be tested with a clear understanding of the difference between screen reader operation and text reader operation</td>
</tr>
<tr>
<td>Text Reader</td>
<td>Does tool read when document is opened in Kurzweil browser?</td>
<td></td>
</tr>
<tr>
<td>Voice recognition</td>
<td>Tested based on combination of operating system and version of Microsoft Office</td>
<td></td>
</tr>
<tr>
<td>Webcam</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special Education Device Specifications by Program

<table>
<thead>
<tr>
<th>Potential Hardware Add-ons</th>
<th>General Education Inclusion/ Special Education Resource</th>
<th>Level 1 Behavioral Supports</th>
<th>Level 2 Cognitive Supports</th>
<th>Level 3 Physical Access Supports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential Software Add-ons</td>
<td></td>
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<td></td>
<td></td>
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</tbody>
</table>
May 1, 2013
11 Schools Chosen for Phase 1

HISD’s Chief Technology Officer Lenny Schad talks about how the 11 high schools were chosen for phase 1 of PowerUp, a comprehensive, districtwide plan to place a laptop in the hands of every high school student in order to create transformational, digital-age instruction.
June 16, 2013

Wireless Infrastructure Upgrade

During the summer of 2013, all pilot schools will have their campus wired and wireless infrastructure upgraded to include cabling and new equipment to ensure that internet access is available throughout the school including gymnasiums and all sports facilities.

HOUSTON INDEPENDENT SCHOOL DISTRICT
If We Knew Then What We Know Now:

Plan to have conversations with campus leaders early on to pinpoint areas of weaker infrastructure.
July 15, 2013
PowerUp Institute with Mooresville

Learning Best Practices from Mooresville

School leaders and central office staff gather July 15 - 18 to gain insight from educators from the Mooresville Graded School District located in Mooresville, N.C. MGSD has received national recognition for their own 1 to 1 laptop initiative which launched six years ago.
If We Knew Then What We Know Now:

During visits to other district models, provide representatives with talking points to encourage an inclusive design process on the front end.
July 16, 2013

Early Adopter Teachers Selected

Tech savvy teachers from the 11 high schools are selected to help their campus colleagues embrace the PowerUp initiative and its potential. The early adopter group attends a four day training with educators from Mooresville, North Carolina to learn new tools, websites, and software that can be used to engage students and differentiate instruction.
August 1, 2013

Laptops Arrive – IT Preparations

Laptops Arrive

HISD's Instructional and Informational Technology Departments begin to prepare laptops for distribution to teachers in mid-August.
Principal and Teachers Receive Laptops

August 12, 2013

Principal and Teachers Receive Laptops

Principals and teachers at the 11 schools receive their laptops and begin to train with HISD’s instructional technology, professional development, and curriculum departments to learn how to use the device and how to incorporate it with web 2.0 tools to create engaging and interactive instruction for their students.
September 1, 2013
Teachers Share Training Experiences

Members of the HISD Instructional Technology Department are assigned to each of the 11 schools and begin professional development and training for teachers. Teachers share their experiences with Board President Anna Eastman on her monthly TV show and praise PowerUp as a way to make their instruction more relevant.

In this segment, HISD Board President Anna Eastman gets an update about the district’s Power Up program, which aims to get each HISD high school student a laptop computer.
October 12, 2013
Teachers Attend Saturday Trainings

Teachers Attend Saturday Training Sessions

Teachers from the 11 PowerUp campuses spend their Saturdays and early-release training days learning how to integrate web tools and digital content into their daily classroom instruction. HISD’s Professional Development and Instructional Technology Departments co-host the training sessions, which are designed to give teachers hands-on instruction and guidance on how to use technology to make their lessons more engaging and student centered.
If We Knew Then What We Know Now:

Purposefully include teachers of special populations.
Parent Meetings Begin

Three schools hold informational sessions to give parents an overview of the initiative as well as a course on Internet safety, the proper use of technology, and good digital citizenship. Parents and students are asked to sign an agreement stating they understand appropriate Internet behavior and proper laptop use.
If We Knew Then What We Know Now:

Make sure parents understand participation in 21st century digital learning is not option for their students, but is a required life skill.
October 15, 2013

Three Schools Receive Laptops

Students at YMCA, YWCPA, and the Energy Institute receive their laptops and begin to use for instruction both inside and outside of the classroom. "By starting at just these three schools it allows us to distribute the devices on a smaller scale so we can ensure that we have everything in place to properly support our teachers, students, and parents when we deploy the remaining laptops in January," said Instructional Technology Manager Beatriz Arriolas.
October 24, 2013
Digital Citizenship Classes for Students Begin

Students at the 11 schools attend a digital citizenship class to learn more about their digital footprint, the dangers of sharing passwords and personal information, cyber bullying, identity theft, copyright infringement, and plagiarism.
If We Knew Then What We Know Now:

In each step, intentionally practice designing to the edges.
If We Knew Then What We Know Now:

Plan for appropriate accommodations and modifications to support students with special needs to actively engage in device deployment.
January 4, 2014

All students receive laptops

All Students and Staff at All HISD High Schools Receive Laptops

By 2016, all students and staff at all HISD high schools will receive laptops and be incorporated into the PowerUp initiative.
If We Knew Then What We Know Now:

Have consistent and clear definition of “all students” and “all teachers”.

PowerUp
HISD | TRANSFORMING TEACHING AND LEARNING

TECHNOLOGY
THE “HUB”
PERSONALIZATION

HOUSTON INDEPENDENT SCHOOL DISTRICT
The Myth of Average

Todd Rose
Thank you

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