Hacking Education Trends: Adapting, Adopting, and Embracing Change

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“Rain Is Grace” by dmcordell http://www.flickr.com/photos/dmcordell/9071694438/
Hacker

“Hacker Stock Photo” by devdsp http://www.flickr.com/photos/devdsp/699839463/
Scrabble Hack, MIT

“The word *hack* at MIT usually refers to a clever, benign, and ‘ethical’ prank or practical joke.”

http://hacks.mit.edu/
“What hackers do is figure out ... experiment... share information...”

-Emmanuel Goldstein, Publisher 2600 Magazine, The Hacker Quarterly

“Light Bulb” by dmcordell http://www.flickr.com/photos/dmcordell/8206244215/
Stay Informed

“Paleolithic era newsstand” by Hobo Matt http://www.flickr.com/photos/imjustwalkin/8593828032/
Choose a Trend

“Pick One” by Leopostle  http://www.flickr.com/photos/leo_watson/251156414/
Try It Out

“Mad Science Invitation 4” by martincron  http://www.flickr.com/photos/martincron/2208024963/
“Karl Lagerfeld’s new fashion show collections...” by Wonderlane [http://www.flickr.com/photos/wonderlane/5345416639/]

Modify/Customize
Be a Leader

Climbing the cliffs of Saddleback - taken by Bob Scaife, shared on Facebook
Spread the Good Word!

"Hear Ye, Hear Ye 2" by Muffet http://www.flickr.com/photos/calliope/5475339132/
Key trends in higher education identified by NMC Horizon Report

Online, Hybrid, and Collaborative Learning
Social Media Use in Learning
Data Driven Learning and Assessment

"data slide" by bionicteaching http://www.flickr.com/photos/bionicteaching/2920562020/
T.H.E. Journal
10 Biggest Trends in EdTech


“graph” by alexcoitus http://www.flickr.com/photos/alexcoitus/6984475161/
*Social Media as a teaching &
learning tool
*Learning Analytics

“Spotlight Beam” by Visualogist http://www.flickr.com/photos/visualogist/3202396970/
Bring Your Own Devices

iPads
Digital Badges

“Nerd Merit Badges shipment” by hyperdashery [http://www.flickr.com/photos/hyperdashery/3455635902/]
Curious?

“Desktop: Curious George” by @cdharrison [http://www.flickr.com/photos/cdharrison/367040618/](http://www.flickr.com/photos/cdharrison/367040618/)
Online, Hybrid, and Collaborative Learning

“Morgan and her friend, Kimberly, try out the new wading pool”
http://www.flickr.com/photos/dmcordell/8901572181/
“Geek squad camp provides hands-on technology skills” by Fort Meade. http://www.flickr.com/photos/ftmeade/7605374274/
875 Free Online Courses from Top Universities
http://www.openculture.com/freeonlinecourses
Van Meter Library
http://vanmeterlibraryvoice.blogspot.com/

Collaborative Workspace

Smackdown in Google Hangout
Skyping with Cory Doctorow

Karl Fisch @karlfisch:
In case any of you were wondering: used @skype to connect with @doctorow in London, @ustream to stream to parents, @coveritlive to live blog
Picture It! 2013 from Projects by Jen
http://projectsbyjen.com/Projects/PI2013/PI_Info2013.html

Birthday

We celebrate our special day by eating cake, cupcakes or other desserts.

New York City, New York United States

Thanksgiving

We celebrate many holidays throughout the year. Thanksgiving is a holiday celebrated in November. On Thanksgiving we usually eat turkey, stuffing and cranberry sauce.

One food that is special to where we live are bagels.

Our favorite meal of the day is lunch. At lunch, we enjoyed eating sandwiches, pasta, salad, and chicken fingers.
Innovation in Obesity?

http://blog.theinnovationteacher.com/fightingobesity/

Screenshot from Eric Ekis Vlog http://www.youtube.com/watch?v=tf97PbWN2xE
Millis High School “Before I Die” Wall

Project  http://beforeidie.cc/site/millis/
Interviews  http://youtu.be/Ny6J_ZsCZ9c
Unconferencing
http://www.unconference.net/unconferencing-how-to-prepare-to-attend-an-unconference/
Social Media Use in Learning
http://thewhslibrary.edublogs.org/

If the library offered a mini-workshop, which ones would interest you?

- Easy bibliographies
- How to prepare for college research papers
- Helpful apps for research
- What materials are available for college research?
- Cool web tools for projects

Need help?

Need research help?

Drop by in person, or better yet, set an appointment to work with a librarian! Fill out this quick form and set up a time to meet!

https://docs.google.com/a/eanesisd.net/spreadsheet/viewform?formkey=dHFUnVqUUhoyUUEbFZoaTQaZxsHYy66MQ

Questions? Book Recommendations? Comments?

Just click on the "comments" button at the end of this post to make a comment or email us at:

cfoote@eanesisd.net or jclifton@eanesisd.net
iOS, Android, and Web App Available Now!

Note: if you've downloaded previous Midway apps remove them from your device and install the new versions.

Features include:

- **General District Updates** - watch for important district alerts and information
- **District News** - check out Panther Nation News for the most up to date news throughout the district
- **Twitter Feed** - get up to the minute sports scores and information regarding the district
- **Facebook Updates** - stay informed about the latest happenings within the district and how you can get involved
- **District & School Contact Information** - get directions and phone numbers on your device to all campuses
- **YouTube Channel** - tune in to the Midway ISD YouTube channel for the latest videos
- **District Calendar of Events** - find the latest locations and times of public events in the district
“Class project, with help on Facebook, mushrooms into appreciation of Kansas” -The Wichita Eagle

http://www.kansas.com/2013/02/17/2680422/class-project-with-help-on-facebook.html#storylink=cpy
Jinx by Sage Blackwood Gr 4-7
Young Jinx is an orphan with a curse. But he also has a gift: He can tap into the ancient magic of nature and life itself and discover their mysterious secrets. This will come in handy when he must help save not only other children with curses but also his wizard teacher.
—Marie Drucker, Malverne Public Library, NY #sljbookhook

One Came Home by Amy Timberlake Gr 5-7
Georgie is sure her older sister Agatha has run away with a group of people following the passenger pigeon migration. And though no one else believes her, Georgie is determined to find Agatha even if it means traveling the Wisconsin frontier of the 1870s by herself. Good thing 13-year-old Georgie is an expert with a shotgun.
—Marie Drucker, Malverne Public Library, NY #sljbookhook

“Book Hooks” from SLJ

NYS Summer Reading Resources
http://www.pinterest.com/dmcordell/
Visitor Comments about this Artwork!

Great job on all your art work!!! -- Tania
written on Saturday, January 25, 2014
Journey North
http://www.learner.org/inorth/

The Lost Ladybug Project
http://www.lostladybug.org/index.php

Frost Quakes/Ice Quakes
https://mapsengine.google.com/map/edit?mid=zId7WwTT0PPk.kmYXHjIndA-w
TL Virtual Cafe
FREE Webinars utilizing Blackboard Collaborate
http://tlvirtualcafe.wikispaces.com/

TL Chat will take place the **2nd Monday of each month at 8 pm ET**

http://tlvirtualcafe.wikispaces.com/TL+News+Night
The Creator Society: MakerSpaces
Sacramento Public Library
I Street Press: A COMMUNITY WRITING & PUBLISHING CENTER
http://www.saclibrary.org/Services/I-Street-Press/
Knit Bomb Class, Uni HS
http://www.uni.illinois.edu/libraryblog/francey/agora-days-2014/02-20-2014

“Yarn bombing for GO GET” by Twilight Taggers
http://www.flickr.com/photos/twilight_taggers/6960627335/

“Yarn Bomb - bike IYBD” by Twilight Taggers
http://www.flickr.com/photos/twilight_taggers/5820012261/
Keep 'em Buzzing!
Wild Flower Seeds

THE GUERRILLA GARDENERS
SEEDBOMB MAKING KIT

AS A SEED MIX OF POPPY, CORNFLOWER, CANDYTUFT, GYPSOPHILA AND MANY MORE

“Seed bomb kit” by Fluffymuppet http://www.flickr.com/photos/fluffymuppet/7090635993/
Little Free Library
http://littlefreelibrary.org/

“Books at Little Free Library, Madison” by ali eminov
http://www.flickr.com/photos/aliarda/9426233280/

“Little Free Library on Cambridge Street, in Cambridge, MA” by posixeleni
http://www.flickr.com/photos/posixeleni/8657177233/

“Little Tree Free Library” by jamuraa
http://www.flickr.com/photos/jamuraa/8288280564/
BiblioTrucka
https://sites.google.com/a/asu.edu/charter-library-initiative/changemakingined?previewAsViewer=1
Tool Lending Libraries

Santa Rosa Tool Library
https://sites.google.com/a/borrowtools.org/santa-rosa-tool-library/list-of-tools

Somers Seed Lending Library
http://www.somerslibrary.org/somers/seedlibrary.asp

Fayetteville Free Library
http://www.fflib.org/make/ffl-fab-lab/fablabinventory

Kitchen Share
http://www.kitchenshare.org/

http://paschoollibraryproject.org/research

Summarized in SLJ 3/07/2013

Jennifer LaGarde
MGMS Media Center Annual Report

What’s The Bottom Line?

Given that so much of the content on the NC End of Grade test for reading consists of informational text, I am concerned that non-fiction only accounts for 20% of our overall circulation. Also, it is interesting to note that while graphic novels account for only 5% of our total collection, they are circulated more than the entirety of our non-fiction collection. The fix? Next year I will spend more time promoting non-fiction texts to both students and staff.

IMPACT:

LIBRARY CIRCULATION AND EOG READING SCORES

Mrs. LaGarde worked with 7th grade enrichment classes using non-fiction texts (about Renaissance Art) to sharpen both literacy and math skills in preparation for the EOG.

What’s The Bottom Line?

Collaborative Project: Family Literacy

Working with the Math Dept. Chair and AIG Specialist, the library’s “Family Literacy Night” evolved this year to include a focus on cultivated online resources geared towards helping students be successful on the NC End of Grade Tests. Using the online resource Symbaloo, a personal learning environment was created for students who were specifically targeted to attend this event based on previous EOG scores and/or teacher recommendations. Training, on how to navigate Symbaloo and the resources each P.E. contained, was provided to the families who attended. As a result, attendance was up by 9% from past years and as the data clearly shows, students who attended this event, scored significantly higher on their EOGs than those who didn’t.
Jeri Hurd

Rethinking the Library Annual Report

http://bib20.blogspot.com/2013/05/the-annual-report-going-interactive.html
Cathy Jo Nelson
Dorman High School LMC Annual Report
http://www.slideshare.net/cnelson/pdf-dorman-high-school-library-annual-report-2012-2013

Student Visitation Analysis

Total: 55,537
Lunch: 20,340
Morning: 14,225
With classes: 14,140
Afternoon: 3,495
On a pass: 3,437

Departmental Use

Library Availability

CLOSED 8 Blocks

TESTING, TAC, Administrative Purposes

Available 8 Blocks

781 Classes served during the 822 available blocks
Newton South HS Annual Report

https://magic.piktochart.com/v/79dcce9f-9991-4f94-a795-f4e3c6676e12

Print is shrinking and updating while library use is diversifying.

NSHS Library Video

http://animoto.com/play/gQFiJFA1y5oHWfndW3hVnA
East Baton Rouge Parish Library

http://ebrpl.wordpress.com/2013/12/07/library-stats-stats-stats-from-2012/

1.9 million items Library
Journal *Starred Library*
20,024 new library cards 2.3 million items
checked out Programming up
31.5% 250,000 program
attendants 484,670
website hits 1,153
Bookmobile stops
2,777 meeting room groups
868,222 reference questions
### 50 Mobile Learning Statistics For K-12 Education


#### Learning Benefit

<table>
<thead>
<tr>
<th>Benefit</th>
<th>K-2</th>
<th>3-5</th>
<th>6-8</th>
<th>9-12</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promote curiosity</td>
<td>84%</td>
<td>74%</td>
<td>70%</td>
<td>77%</td>
<td>76%</td>
</tr>
<tr>
<td>Teach reading</td>
<td>79%</td>
<td>69%</td>
<td>63%</td>
<td>62%</td>
<td>68%</td>
</tr>
<tr>
<td>Teach math</td>
<td>75%</td>
<td>72%</td>
<td>63%</td>
<td>59%</td>
<td>67%</td>
</tr>
<tr>
<td>Foster creativity</td>
<td>71%</td>
<td>62%</td>
<td>58%</td>
<td>64%</td>
<td>64%</td>
</tr>
<tr>
<td>Teach problem solving</td>
<td>73%</td>
<td>62%</td>
<td>56%</td>
<td>59%</td>
<td>63%</td>
</tr>
<tr>
<td>Teach science</td>
<td>72%</td>
<td>60%</td>
<td>59%</td>
<td>60%</td>
<td>63%</td>
</tr>
<tr>
<td>Teach foreign languages</td>
<td>71%</td>
<td>60%</td>
<td>59%</td>
<td>59%</td>
<td>62%</td>
</tr>
</tbody>
</table>

*Note: Boldfaced percentages indicate statistically significant differences in parent responses compared to those of parents of children in at least one other grade span.*

#### Use of Mobile or Portable Devices in School

- **Parents report positive values of mobile apps and content—and parents of younger children are even more enthusiastic.**
- **Parents of students who are required to use mobile or portable devices in school are even more positive about the learning and educational potential.**

#### Mobile or Portable Use at Child’s School

<table>
<thead>
<tr>
<th>Benefit</th>
<th>K-2</th>
<th>3-5</th>
<th>6-8</th>
<th>9-12</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make learning fun</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Know current events</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Teach reading</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Teach math</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Teach responsibility</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Teach science</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Read more</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Teach foreign languages</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Perform better in school</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>Teach social studies</td>
<td>20%</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
<td>100%</td>
</tr>
</tbody>
</table>

*Note: Responses shown for parents whose child’s school requires the use of mobile or portable devices are all statistically significantly higher than those of parents whose child’s school does not.*
How Do They Spend Their Time?

“How Photographers Actually Spend Their Time”
Teacher Librarians

What my parents think I do.

What students think I do.

What society think I do.

What Hollywood thinks I do.

What colleagues think I do.

What I really do.

“Librarian - Job - What People Think I Do”
Bring Your Own Devices
“At Cushing Academy in Ashburnham, MA, librarians use a combination of school- and student-owned Kindles and iPads tethered to a single, school authorized Amazon account...”

http://thejournal.com/articles/2013/03/13/how-schools-are-making-digital-libraries-work-with-or-without-byod.aspx#m8Y6KpJA9DGOC9h.99
eBook Shelf Markers
YOUR DEVICE. YOUR RESPONSIBILITY.
DO NOT LEAVE DEVICE UNATTENDED. KANSAS STATE UNIVERSITY IS NOT RESPONSIBLE FOR MISPLACED, DAMAGED OR STOLEN DEVICES.

COURTESY CHARGING STATION

KANSAS STATE UNIVERSITY
Bring Your Own Device (BYOD)

Thanks for a Great BYOD Event

Bring Your Own Device (BYOD)
Parent Handbook and FAQs
English  Spanish

E-Waste Event
Thank you Napa Waste and Recycling Service for making NVUSD's BYOD Fair an official e-waste recycling event.

Thank you for making our BYOD Fair a success!
Please take a minute to tell us what you thought of our fair by filling out the Participant Survey (link below).
https://docs.google.com/forms/d/1ywT9mwB3lZdmPqkJK7nbeK9FDBnRH0x7ZrQZK1_6o/viewform
Northern Beaches Christian School, Sydney

http://andrewdouch.wordpress.com/2012/12/01/the-best-school-ive-seen-yet/
Geocaching By Groundspeak
Compatibility: Requires iOS 5.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5.

Geocache Navigator
Compatibility: GPS enabled mobile phone on Sprint, Nextel, Boost or Southern Linc networks, Blackberry, Nokia Series 60.

“Geocache” by dmcordell http://www.flickr.com/photos/dmcordell/3035841476/
“November Hike” by dmcordell [link]
iPads
**#18 Free copies of Shakespeare texts**

Senior classes annotate their own copies of current Shakespeare play using either iBooks or Stanza, both free apps.

Scroll through scenes and acts, bookmark and annotate, search for quotations, find dictionary definitions, copy and paste annotations into own documents.

[@crgalvin](http://esu3ipads.wikispaces.com/file/view/20_Interesting_Ways_to_use_an_iPad_in_the_Cla.pdf)
Children’s books about psychological disorders created with BookCreator

http://kulowiectech.blogspot.com/2012/05/creating-on-ipad-bookcreator-x.html
Textbooks replaced by iTunes U download

QR Code Scavenger Hunt
<Quinn>During period 2 today we learned all about how to be an in-quir-er. We learned that curiosity means having a strong desire to learn.
Tablet Look-Up Station
http://sunflowerstorytime.com/2014/02/07/tablet-look-up-station/
Flat Stanley Aurasma Project

http://theglobalclassroomproject.wordpress.com/2014/02/13/flat-stanley-aurasma-project/
Digital Badges

“She’s A Wonder” by dmcordell http://www.flickr.com/photos/dmcordell/8701951867/
Chicago Summer of Learning
http://www.chicagosummeroflearning.org/

The City of Chicago Summer of Learning badges recognize the cool things you do over the summer. When you learn something new, you can earn a badge. As you earn more badges you can do more cool things. When you go back to school in the fall, you can show off all the badges you earned to your teachers, parents, potential employers and friends!

What is this badge about?
Working with the public requires thinking on your feet to solve unexpected problems. Get recognized for employing your creative problem-solving skills!
Part of The Art Institute of Chicago Summer Internship in Museum Education

How can you earn it?
The Think on Your Feet Badge represents the ability to submit experiences in creative problem solving to staff at the end of each week. It is earned by demonstrating problem-identification and the abilities to communicate with peers, staff, and visitors and to resolve issues in a manner that is agreeable to the museum and the visitor.

This badge is part of the 2013 Chicago Summer of Learning Initiative.

Learn more about this badge: teens@artic.edu
I think that one very important item in the portrait is the rainbow. Though it is very beautiful, it shows what George Washington did for our country. Rainbow come after storms and Washington brought us out of the stormy revolution into a bright and joyous day, so to speak. The rainbow shows that he helped us come out from an awful time and that now their is peace so it is symbolic to his actions and doings. The painter chose this not for just artistic reasons but so the symbolism was in the art.

— 8th grade student

I took pictures of 2 different trees. The first tree was a Bradford Pear tree. It had really pretty leaves: bright green and very smooth. The bark was rough and the shape of the tree looked perfect.

This next picture goes with tree 1. It is the special feature. They are tiny holes which I think were made by bugs and intended for homes.

This next picture is Tree 2. It is an Oak tree. It was really tall and skinny. Very plain and kind of dull. But the next day we went outside it was beginning to sprout. This is the feature of the Oak Tree: Blooming Flowers!

- 8th grade student

Selected presentation slides from research on the Lummi Nation and how identity and culture are interconnected with their current environment and the challenges they face.

- 7th grade student

Supplies
- The tribe makes their own tools to fish for salmon.
- The tribe makes canoes and other fishing gear.
- To the tribe, salmon is a good medicinal fish that they have cultural ceremonies for. The tribe also believes that the salmon is part of their soul.
“Using a badge system to recognize student work is a kind of gamification in which learning becomes more concrete and visibly measurable.” -Inside Higher Ed

Gamify Your Classroom!

LEVEL 1  LEVEL 2  LEVEL 3  LEVEL 4  LEVEL 5
How to turn a 2D image into a printable 3D object
http://gigaom.com/2013/11/22/making-a-maker-how-to-turn-a-2d-image-into-a-3d-printable-object/
Going Old School

Endlessly Creating
http://endlesslycreating.wordpress.com/2013/07/23/reading-passport/

Skokie Public Library
Reading Patch Club
http://www.skokie.lib.il.us/s_kids/kd_read/kd_patch/
“Patches...What To Do”
from the ADK Forum http://www.adkforum.com/showthread.php?t=16662
Librarians as Hackers

“Invasão Hacker Fora do Eixo #OnibusHacker” by Fora do Eixo http://www.flickr.com/photos/foradoeixo/7096623539/
Questions?

“What are YOU looking at?” by Anne Davis 773 http://www.flickr.com/photos/anned/11788951463/
“The only way to make sense out of change is to plunge into it, move with it, and join the dance.”

-Alan Wilson Watts
THANK YOU!
Diane Cordell
@dmcordell
dmcordell@gmail.com