



# Cellphones As Instructional Tools

[www.teachermagazine.org](http://www.teachermagazine.org)

# Cellphones in the Classroom: Discuss on Our Forum

Join our new discussion forum on the use of cellphones in the classroom.

[www.teachermagazine.org/go/cellphones](http://www.teachermagazine.org/go/cellphones)

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[www.teachermagazine.org](http://www.teachermagazine.org)

An on-demand archive of this  
webinar is going to be  
available at  
[www.edweek.org/go/webinar](http://www.edweek.org/go/webinar)  
in less than 24hrs.

Please visit often, and send this link to your friends.

Thanks for taking part today. We really appreciate it.

The Editors

# Moderator



**Elizabeth Rich**, online editor at [teachermagazine.org](http://teachermagazine.org) and editor of the *Teacher Professional Development Sourcebook*.

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[www.teachermagazine.org](http://www.teachermagazine.org)

# Guests



**Elliot Soloway**, professor, School of Information, School of Education, and Department of Electrical Engineering and Computer Science, University of Michigan.



**Cathleen Norris**, regents professor in the College of Information, Department of Learning Technologies at the University of North Texas.

# Guests



**Ron Myers**, principal, Trinity Meadows Intermediate School, Keller, Texas.



**Liz Kolb**, education technology instructor, University of Michigan and Madonna University; author, *Toys to Tools: Connecting Student Cell Phones to Education*.

*Engagement  
&  
Instruction*

*Administration  
&  
Operations*

*Sprint*

*Corporate  
Social  
Responsibility*

*Safety  
&  
Security*

# Spotlight on Technology in the Classroom

Buy now!



*Education Week's Spotlight on Technology* brings together the latest information and analysis on the use of technology in the classroom.

[www.edweek.org/go/techspotlight](http://www.edweek.org/go/techspotlight)

# **Educating the Mobile Generation:**

## **#3 Points**

### **Cathleen Norris**

**Regents Professor, University of North Texas  
Chief Education Architect, GoKnow Learning, Inc.**

### **Elliot Soloway**

**Arthur F. Thurnau Professor, University of Michigan  
Chief Strategy Officer, GoKnow Learning, Inc.**

Point #1:

## Big, Disruptive, Exponential Change

$$\text{Mobile} = (\text{PC} + \text{Internet})^2$$

“The <mobile> computer revolution hasn’t even begun yet.”

Alan Kay + <me>

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**Alan Kay + <me>**

## Point #2: Unprecedented Opportunities



### **Nan Chiau Primary School (Singapore)** **“Learning My Way”**



**Rick @ Home**

# Point #2: Unprecedented Opportunities



**Keller TX, 5<sup>th</sup> Grade**



**St Mary's OH,  
5<sup>th</sup> Grade**

	<b>Pencil- paper</b>	<b>With Cellphone</b>
Reading	15%	<b>46%</b>
Math	42%	<b>71%</b>

## Point #3: Sustainable... At Last

**Leadership +**  
**Mobile Generation +**  
**Financial Model +**  
**Curriculum integration =**  
**Sustainable!!**

# “Ed Sec says yes to cell phones in class”

Point #3: Sustainable... At Last



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# KMI@TMI

Spring 2009





# Overview

- *The goal was to pilot a mobile device program that develops safe and appropriate uses of mobile devices in order to increase student engagement and increase student access to academic information and curriculum resources.*
- *Integrate mobile computing devices into the 5<sup>th</sup> grade classroom*



# Goals

- Increase technology skills among students
- Increase the depth of knowledge and level of understanding in content areas, using the District's curriculum
- Increase learning beyond the school day
- Increase responsible and appropriate use of technology among students



# Why this Technology?

- Connectivity
- Familiarity
- Inexpensive
- Convenience
- Features
  - Camera
  - Touch screen
  - Software



# From “Out There to In Here”

- Campus initiative that originated from a possibility, “What if?”
- Entrepreneurial Adventure
- District Support
  - Board and Superintendent’s support
  - Curriculum and Instruction
  - Instructional Technology
- How might we use the local businesses and capitalize on their resources for student use?



# Teacher Leadership

- A teacher brought forth an idea, after attending a national conference
- Informal meetings, comprised of district and university personnel took place beginning in July, 2008
- The teacher began researching and establishing relationships with people who were working on this issue nationally and internationally
- Meetings with local cellular phone services took place throughout July-September
- A parent representative became instrumental in assisting with the project
- District technology personnel began working with local providers to fund the pilot project
- 55 phones were donated, along with software
- Parent meeting was held in January, 2009



# Outcomes: Intended and Unintended...

- Students were engaged.
- Students became experts.
- Based upon real needs, students had to work in a collaborative manner.
- Based upon real needs, staff members had to work in a collaborative manner.
  - Weekly meetings
  - Representatives from various departments
  - Parent meetings
  - Curriculum and technology opportunities were merged



# Things to Note

- Using KISD curriculum
- Lessons about safe use of the device
- Pilot program
- Used when appropriate
- Cell phone and texting will be off
- Internet will be filtered



# Resources

- Bag contents
  - Phone
  - Charger
  - Contact card
- AUP – sign and return white copy, keep pink
- Internet Safety Pledge – sign and return
- Cell Phone Safety Tips
- Websites
  - [KMI@TMI](mailto:KMI@TMI)
  - Teacher websites

# Using Students' Own Cell Phones

Liz Kolb

University of Michigan

Madonna University

<http://cellphonesinlearning.com>

**Get Liz's Contact  
Information**

**Send a New Text  
Message To:**  
50500

**In Message:**  
Kolb



A word cloud featuring various digital and mobile technologies and services. The words are arranged in a dense, overlapping manner, with some words appearing larger than others. The colors of the words range from dark blue to light blue, with some in orange and white. The background is a solid dark blue.

Virtual Conferencing  
Text Alert Campaigns  
Location Blogging  
Live Radio Broadcasts  
Instant Web Searching  
Reminders  
Write Text Novels  
Brainstorming  
Podcasting  
Transcribe  
iReporting  
Media Scavenger Hunts  
Listento News Feeds  
Instant Group Messaging  
Live Video Broadcasts  
Digital Storybooks  
Individual Caller Greetings  
Collaborative Digital Storybooking  
Group Organization  
Capture Interviews  
Track Expenses  
Media Scavenger Hunts  
Listento News Feeds  
Instant Group Messaging  
Listento Podcasts  
Speech to Text  
Photo Sharing  
Visual Quizzes  
Listento Webpages  
Send emails  
Live Polling  
Capture Data  
On-Demand Radio  
Calendar Management  
Translate  
Feedback  
Oral Quizzes  
Text to Speech  
Post to Blogs  
Mobile Blogging  
Social Networking  
Text Alerts  
Note Taking  
Read Novels

# How Students Can Document Learning

- ◆ SMS Texting

- ◆ Group Brainstorming, alerts, polls, surveys, quizzes,

- ◆ MMS Texting

- ◆ Send pictures/videos to instructor & other students

- ◆ Phone Call

- ◆ Record interviews, observations, brainstorming, quizzes...etc.

# Podcast Activity: NPR “This I Believe...”

## **This I Believe**

### **Make a Statement**

**Based on a 1950s radio program of the same name, Americans from all walks of life share the personal philosophies and core values that guide their daily lives. Hear previous features and read more from the archives below.**

**In collaboration with Atlantic Public Media and This I Believe Inc.**

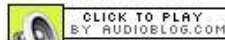


# Mobile Podcasting Project: Radio Theater Podcasts

## St. Joseph Parish School Podcasts

[HOME](#)[ABOUT](#)[HERMIT CRABS](#)[CHRISTMAS RADIO](#) 

### Martin Luther King



On January 16th, the world honors one of history's most courageous and important civil rights leaders. On January 16th, Mrs. Bentley's 4th grade class remembers.

Listen to their tribute.

[Add comment](#) | [January 14th, 2007](#)



# Mobile Podcasting Project: Author Study

THURSDAY, JULY 26, 2007

## My interview with Devin Scillian



Gabcast! Author Blog #7

POSTED BY MARY J. AT 12:13 PM 1 COMMENTS

WEDNESDAY, JULY 25, 2007

## An Interview with Ralph Fletcher

I had the opportunity to speak with Ralph Fletcher after his presentation at the Literacy Conference on July 25. I'm looking forward to reading his books with my students this year.

Gabcast! Author Blog #6

# PhotoPosting Project: Field Trips



# PhotoPosting Project: Documenting Lab Activities



# PhotoPosting Project: Send Videos of Homework to Cells

**Subject:** PE homework

**Message:** Can you please watch the attached video and complete the following questions 1 -How can this skill be classified? 2- What stage of learning do they appear to be in and why?

**Attachments:**



# Mobile Blogging Project: iReporting

HOME ABOUT PRESS PROFILES

## Worcester Academy @ The Inauguration


### “3 Words” from 7th Graders at WA

by PETE SMITH


On inauguration day, the 7th graders in Mrs. Anderson's science classes submitted their “3 words” for President Obama. Below are [Wordle](#) representations of their work. Click on the images to view them full size.




#### SOCIAL MEDIA UPDATES

 Posted a video on YouTube.




 Posted a photo on Flickr.



 Posted a photo on Flickr.



 Posted a video on YouTube.



To search, type

#### LINKS

Worcester Acade

-  DandyID
-  Facebook
-  Flickr
-  Friendfeed
-  Twitter
-  Vimeo
-  YouTube

#### FACEBOOK

Already a membe

# What can I use?

## http://drop.io

drop.io

### Simple real-time sharing, collaboration, and presentation.

Use drop.io to privately share your files and collaborate in real time by web, email, phone, mobile, and more. Create each drop in two clicks and share what you want, how you want, with whom you want.

Choose a new drop name (trying to access an [existing drop?](#))

Optionally upload files (100 MB free per drop, [upgrade](#) for more)

100MB available.

Upload faster with our new Firefox [add-on](#).

+ Additional options (password, permissions, expiration)

**Create A Drop**  
100MB for FREE. Make as many as you want.

you agree to the [Privacy policy](#) & [Terms of Use](#)

### Contact this Drop

Email Address [?](#)

Voicemail [?](#)

Conference Call [?](#)

API Guest token

# Collaborative Mobile Digital Storytelling Project: Virtual Museum

## Group Details

### Museum Tour

You are to call and describe what you are observing in the History Museum while on the field trip.

Organizer: [Ellen Tyree](#)



Map

# Text Message Project: Text Shakespeare

## ON EFFECTIVENESS

ES - HIGH SCHOOL

### Messaging Shakespeare

**Summarizing complex texts using cell phones increases understanding**

Inez Brown has taught ninth-grade English for seven years, but last term was her first experience teaching 11th-graders. Her school is in an affluent suburb of a large metropolitan area. Students seem unmotivated, and schoolwide, achievement test scores have been falling.

Brown's class was discussing some of the whaling calculations in *Moby Dick*. When one student asked a question involving a complex computation, three students quickly pulled out their cell phones and did the math. Brown was surprised to learn that most cell phones have a built-in calculator. She was even more surprised at how literate her students were with the many functions included in their phones. She took a

**GRADE: 11**

**SUBJECT: ENGLISH**

**Strategy**

[Summarizing and Note Taking](#)

**Challenge**

[Student Motivation](#)

**Technology**

Cell Phones and Weblogs

# Texting to Interactive Online Screen

Close screen ✕

**25.** puedes ir al cine ctdq  
tu papa pueda  
conducirte.  
~anonymous6gr1s

**26.** Puedes esconder tu  
cartera, con tal de que  
tengas una bolsa.  
~anonymous41sdx

**23.** Puedes esconder tu  
cartera, con tal de que tu  
papa la busque  
~anonymous3g0bw

**21.** Puedes esconder tu  
cartera, con tal de que  
tu papa no la tenga.  
~anonymous6vmyv

**22.** puedes esconder tu  
cartera con tal de que  
tengas una bolsa  
~anonymous3tdrj

**19.** Estoy de acuerdo  
contigo, con tal de que no  
descargues canciones de  
sitios ilegales  
~anonymous8189q

**20.** Puedes esconder tu  
cartera con tal de que  
no te olvides donde lo  
este. ~anonymous6bx8q


**24.** Hola! :)  
~anonymous6bx8q

text message something like  
**@ESPill hello there** to **25622**

Wiffiti.com

# Geo-Blogging Project: North American Lighthouses

 **North American Lighthouses**  
You're not a member, would you like to [join](#)?



Map Satellite Hybrid  
Greenland  
Canada  
Hudson Bay  
Gulf of Alaska  
North Pacific Ocean  
North Atlantic Ocean  
Gulf of Mexico  
St. Augustine Light  
Map data ©2009 Tele Atlas - [Terms of Use](#)

POWERED BY Google

Flags Discuss

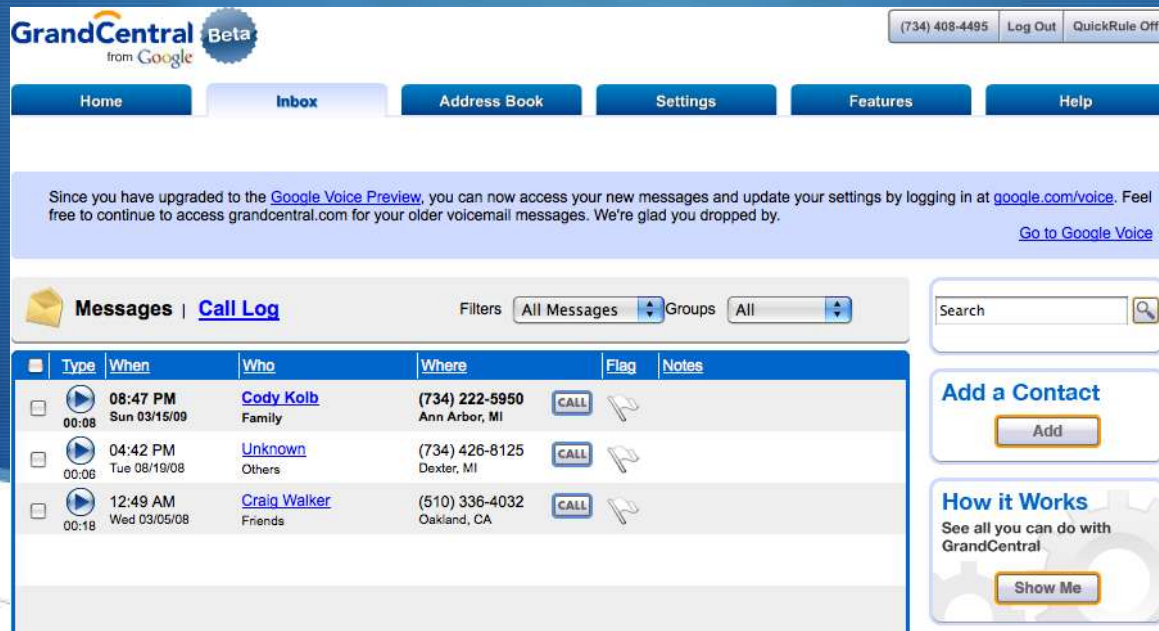
[Pigeon Point Lighthouse](#) natalleclara 749 days ago

» [46 flags](#)  
» [6 members](#)

Flagr.com

# Don't want to give our your real cell number?

<http://grandcentral.com> (Google Voice) Free phone number



The screenshot shows the GrandCentral Beta web interface. At the top, there's a navigation bar with buttons for Home, Inbox, Address Book, Settings, Features, and Help. Below this is a message about upgrading to Google Voice. The main content area is titled 'Messages | Call Log' and includes a table of call logs. To the right of the table are search and 'Add a Contact' buttons. At the bottom right, there's a 'How it Works' section with a 'Show Me' button.

GrandCentral Beta from Google (734) 408-4495 Log Out QuickRule Off

Home Inbox Address Book Settings Features Help

Since you have upgraded to the [Google Voice Preview](#), you can now access your new messages and update your settings by logging in at [google.com/voice](#). Feel free to continue to access grandcentral.com for your older voicemail messages. We're glad you dropped by. [Go to Google Voice](#)

Messages | [Call Log](#) Filters All Messages Groups All Search

Type	When	Who	Where	Flag	Notes
00:08	08:47 PM Sun 03/15/09	<a href="#">Cody Kolb</a> Family	(734) 222-5950 Ann Arbor, MI	CALL	
00:06	04:42 PM Tue 08/19/08	<a href="#">Unknown</a> Others	(734) 426-8125 Dexter, MI	CALL	
00:18	12:49 AM Wed 03/05/08	<a href="#">Craig Walker</a> Friends	(510) 336-4032 Oakland, CA	CALL	

Add a Contact Add

How it Works See all you can do with GrandCentral Show Me



# Getting started

- ◆ DO NOT attempt to change policy (yet)
- ◆ Survey Students on Cell Phones
  - ◆ Who has one? What is their plan? Preference for Communication?
- ◆ Talk with students about cell phone safety & etiquette
  - ◆ Create a social contract for cell phone use with school assignments
- ◆ Start with OPTIONAL homework/EC projects outside of classroom.
- ◆ Start with what YOU are comfortable with (such as phone call resources)

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# Engagement & Instruction

💧 *“We have students in school 6 hours a day. They're with their phones another – what – 12, 14, 18 hours a day? Constant.”*

# Engagement & Instruction

<b>Content</b>	<b>Standardized Curricula &amp; 21<sup>st</sup> Century Skills</b>
<b>Platform</b>	<b>COTS (MSFT)    Web-Based Instruction  Mobile Learning Environment (GoKnow)</b>
<b>Devices</b>	<b>Laptops                      Netbooks  SmartPhones                Mobile Internet Devices (MIDs)</b>
<b>Network</b>	<b>802.11 (WiFi)                Cellular 3G (EVDO, HSPA)  802.16 (WiMAX)    Future Networks (LTE?)</b>

# Engagement & Instruction

- ◆ Sprint Provides:

- ◆ America's Most Dependable 3G Nationwide Network
- ◆ America's First 4G Network (using 802.16 WiMAX)
- ◆ Custom Network Solutions for Schools and Campuses



◆ For More Information, Contact:

◆ Michael Flood

◆ *Vertical Manager, K-12 Education*

◆ Sprint Nextel

◆ [Michael.Flood@Sprint.Com](mailto:Michael.Flood@Sprint.Com)