

See You on the FLIP Side

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What is a 'Flipped' Classroom?

- * A student-centered approach to teaching that involves the use of technology to create active learners who take ownership of their own education.

Flipping is NOT:

- * An online course
- * Sitting in a computer lab
- * Lack of structure

Flipping is:

- * Increased focus on concepts and application
- * Personalized learning
- * Engaged learning
- * Increased student-teacher interaction
- * Increased collaboration

TRADITIONAL

“Sage on the stage”

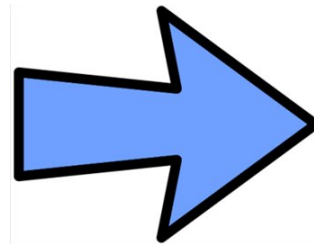
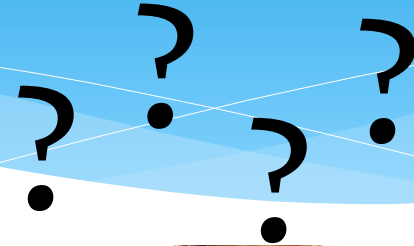
TRADITIONAL



SCHOOL

Teacher lectures content

TRADITIONAL



HOME

Student applies lesson

FLIPPED

“Guide by the side”

FLIPPED

???



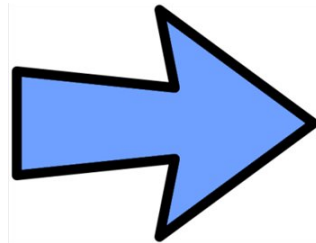
HOME

Student reviews content

FLIPPED

SCHOOL

Teacher
facilitates
deeper
discussion



THE GOAL

- * Lower level cognitive work done outside of class (e.g. terminology, gathering information, etc.)
- * Higher level cognitive work done inside class (e.g. application, analysis, etc.)

FLASHBACK

Is Flipping really a new idea??

- * Do literature classes read novels only during class?
- * Read the book and take notes
- * Try the homework
- * Come prepared to discuss in class

WHAT'S NEW??

TECHNOLOGY!!!

- * Software
- * Internet
- * Videos/Podcasts
- * You Tube
- * Apps

WHAT'S NEW??

- * Technology allows us to address multiple learning styles more easily
- * Technology allows greater access to information and resources

FLIPPING MYTHS

1. You have to flip every lesson
 - * Start small and build
 - * Learn what works for your students



FLIPPING MYTHS

2. Flipping devalues teachers

- * Dispensing information is easy – understanding concepts is hard
- * Students need help becoming independent learners



FLIPPING MYTHS

3. Flipping will fix U.S. math

- * Students are unprepared
- * Careful planning necessary
- * Hard to reach students may still be hard to reach



FLIPPING MYTHS

4. Flipping only works with internet access

- * School labs
- * Smartphones
- * DVDs

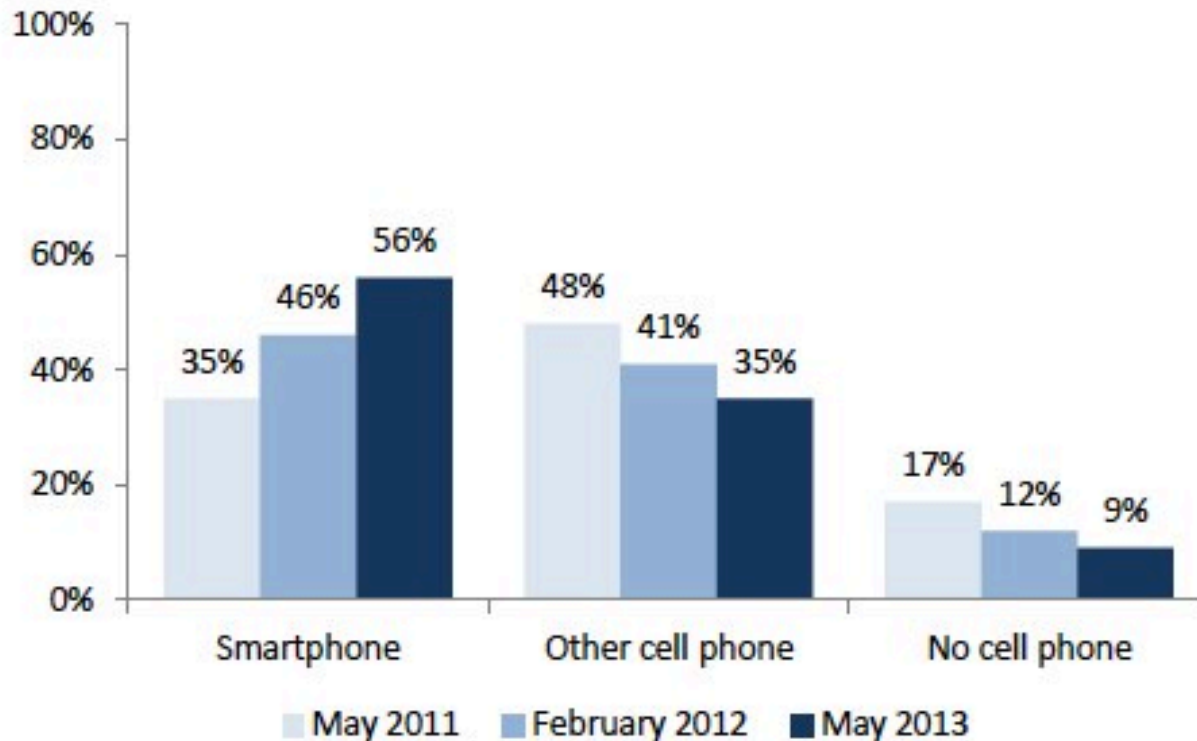


	Desktop	Laptop	Any Computer
Total	59%	52%	76%
Gender			
Men	60	54	78
Women	59	51	75
Age			
18-29	56	72	88
30-49	67	61	83
50-64	63	44	76
65+	39	21	45

Fall 2010

Changes in smartphone ownership, 2011-2013

% of all U.S. adults who own...



Source: Pew Research Center's Internet & American Life Project April 26-May 22, 2011, January 20-February 19, 2012, and April 17-May 19, 2013 tracking surveys. For 2013 data, n=2,252 adults and survey includes 1,127 cell phone interviews. All surveys include Spanish-language interviews.

		Own a smartphone
All adults (n=2,252)		56%
Gender		
a	Men (n=1,029)	59 ^b
b	Women (n=1,223)	53
Age		
a	18-24 (n=243)	79 ^{cdef}
b	25-34 (n=284)	81 ^{cdef}
c	35-44 (n=292)	69 ^{def}
d	45-54 (n=377)	55 ^{ef}
e	55-64 (n=426)	39 ^f
f	65+ (n=570)	18
Race/ethnicity		
a	White, Non-Hispanic (n=1,571)	53
b	Black, Non-Hispanic (n=252)	64 ^a
c	Hispanic (n=249)	60

FLIPPING MYTHS

5. Flipping means online videos

- * Quality not quantity
- * Interactive
- * Guided study



THINGS TO CONSIDER WHEN IMPLEMENTING A FLIP

- * Be clear with expectations
- * Not everything needs to be flipped
- * Emphasize individual work at home and group work in class

THINGS TO CONSIDER WHEN IMPLEMENTING A FLIP

- * Focus on quality not quantity
- * Team up with others to share the work
- * Too much of anything is usually bad
– mix it up!

THINGS TO CONSIDER WHEN IMPLEMENTING A FLIP

- * Hold students accountable for outside work
- * Assess outside work to help focus direction of in-class work

THINGS TO CONSIDER WHEN IMPLEMENTING A FLIP

- * Stick to simple (inexpensive) established technologies
- * Publisher content (but be picky)
- * ADA Compliance

SOME RESOURCES

- * www.flippedlearning.org
- * <http://www.edudemic.com/whats-a-flipped-classroom/>
- * <http://www.scoop.it/t/the-flipped-classroom>
- * <http://www.flippedclassroom.com/>
- * <http://cft.vanderbilt.edu/teaching-guides/teaching-activities/flipping-the-classroom/>
- * <http://cft.vanderbilt.edu/teaching-guides/teaching-activities/flipping-the-classroom/>
- * <http://www.techsmith.com/edu-k12-flipped-learning.html>

Anything to Share?

- *Experiences

- *Ideas

- *Questions

THANK YOU!!

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