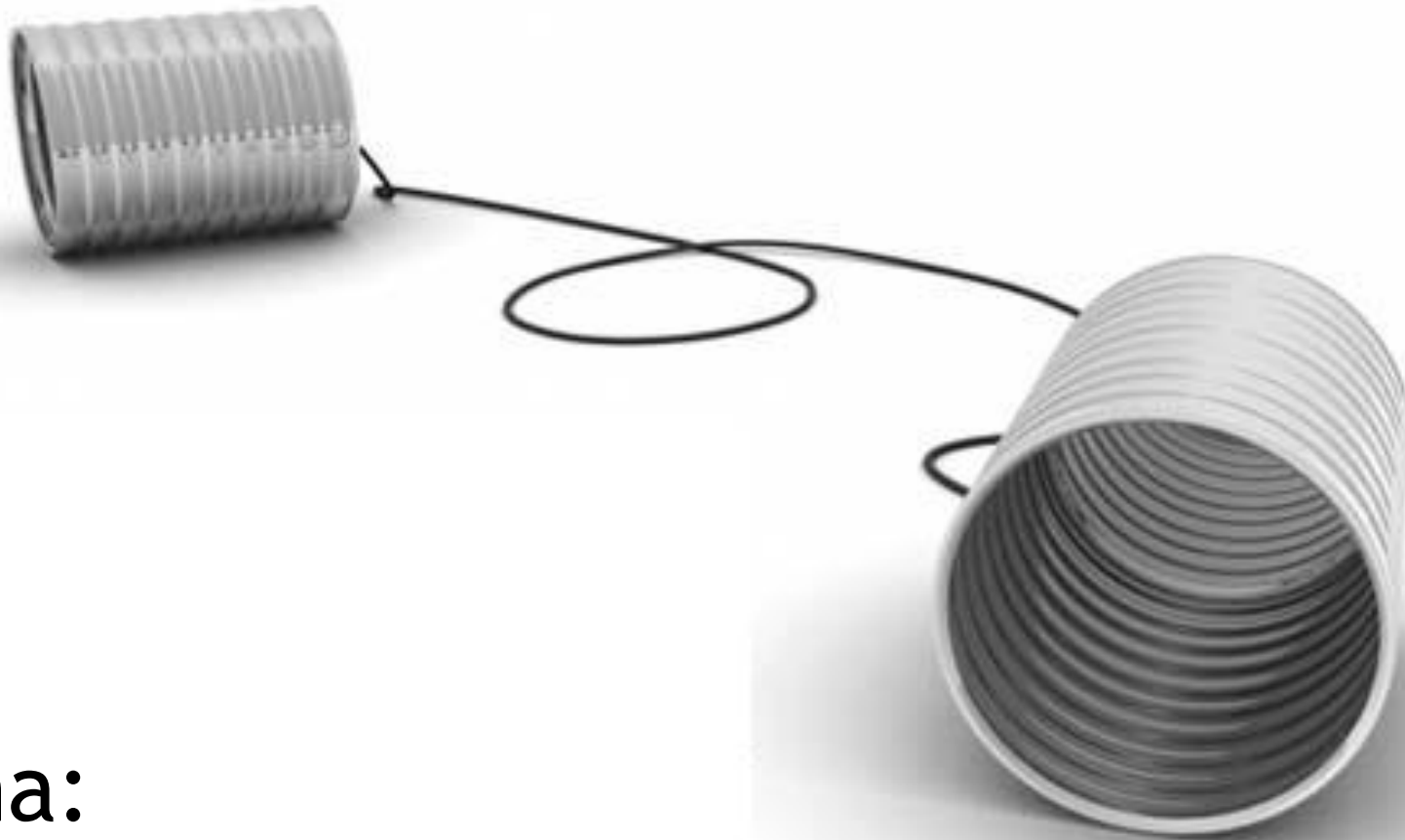




**I ❤️
FLIPPERS**

Confessions of Classroom Flippers: The Good, The Bad, The Apps

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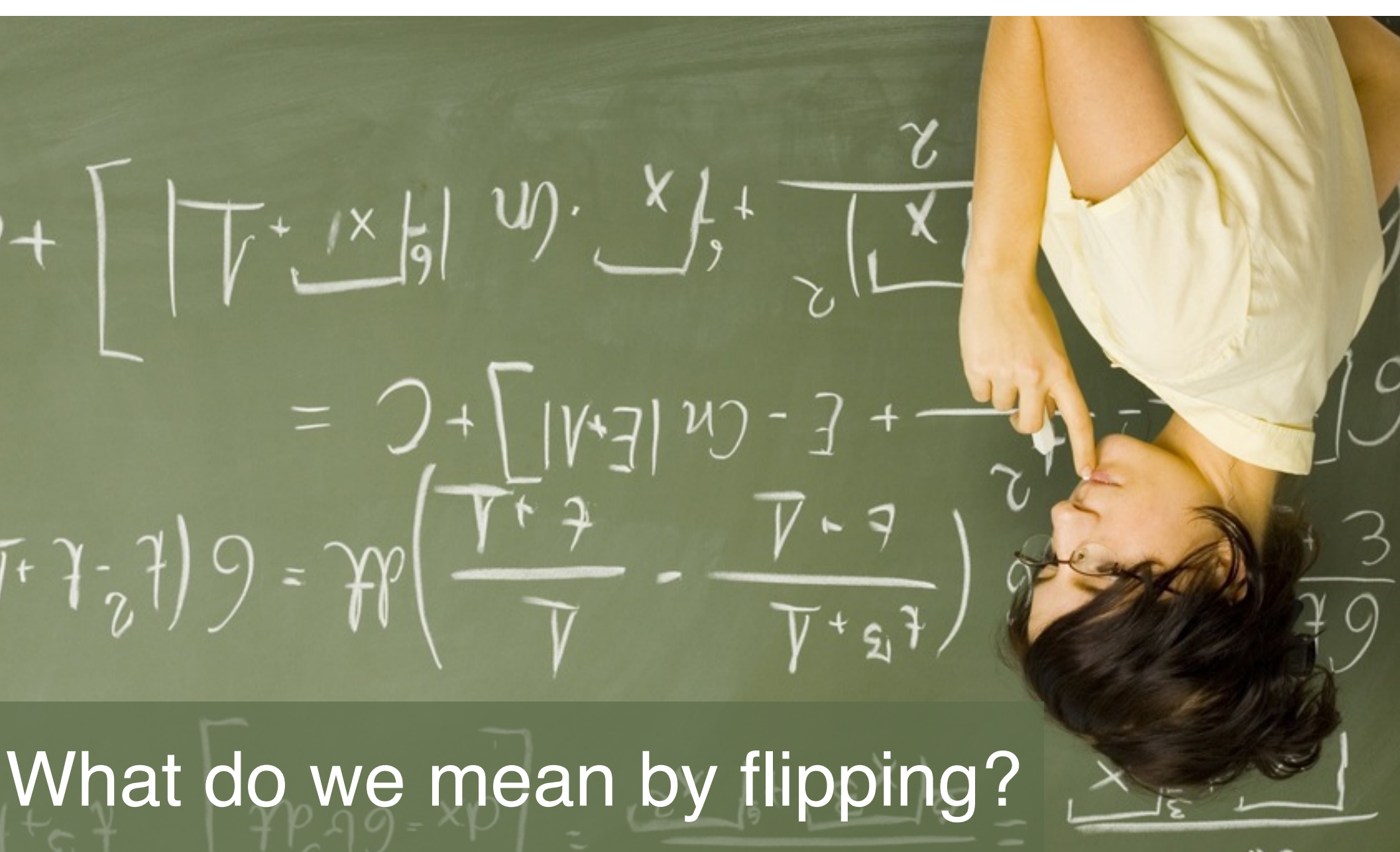


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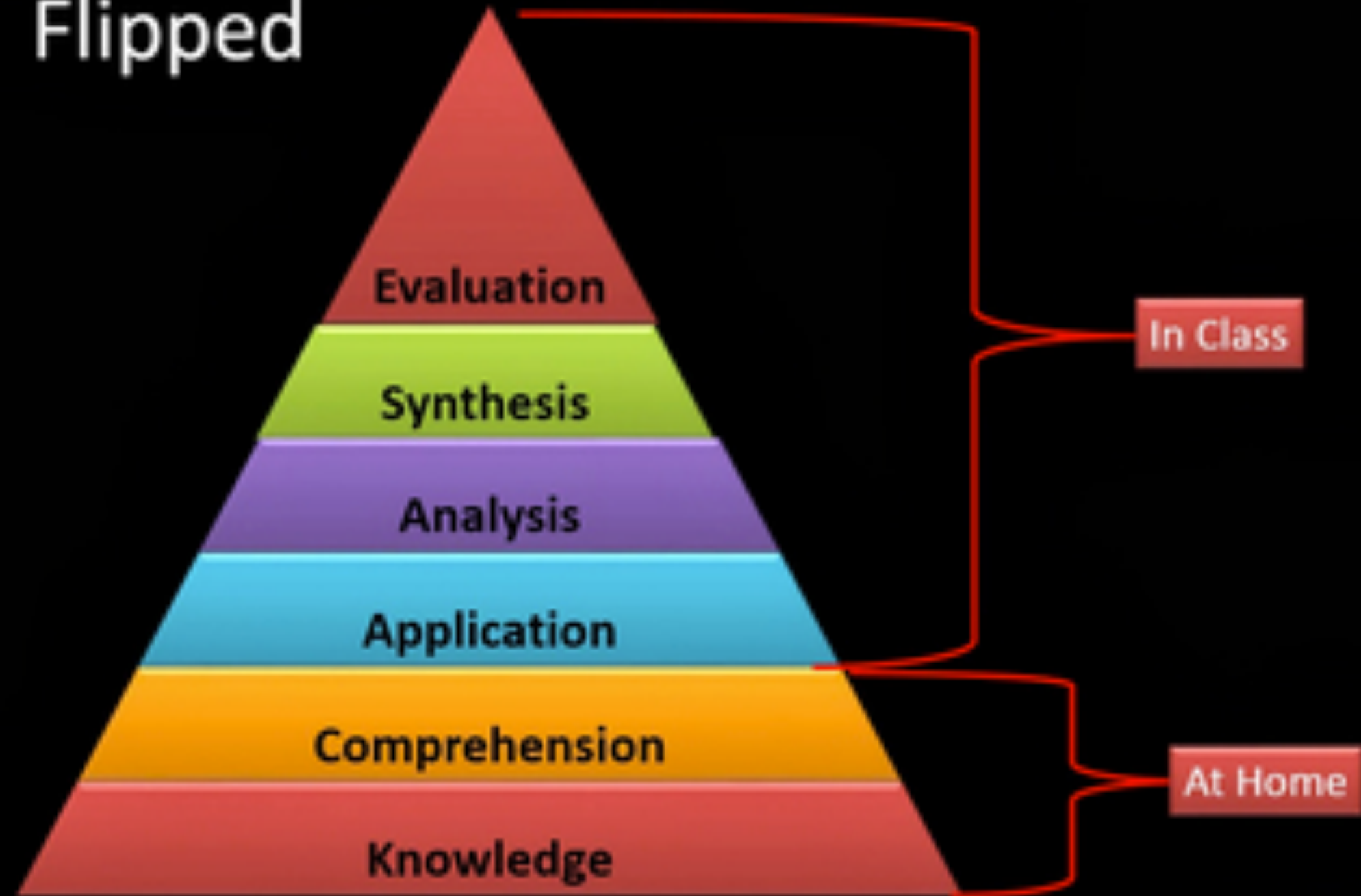
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What do we mean by flipping?

- Student-centered learning, made possible by having students watch content videos at home and work on what would normally be homework during class.

Flipped



Flipped Classroom – The Results.

What is Sophia?

More than
25,000
FREE
ONLINE
TUTORIALS

TOOLS FOR
TEACHERS
to flip their
CLASS-
ROOMS

MANY
WAYS
TO LEARN
6th Grade
THROUGH
COLLEGE

Traditional Classroom Model



Lecture in class



Homework at home

Flipped Classroom Model



Sophia tutorial
as homework



Interactive learning
in class

Of 200 teachers
who flip their
classroom...

85%

Have
seen
improved
grades.

When asked why they
flip their classroom:

30%

Said they
use
class time
to delve
deeper
into
subjects.

25%

Said they
connect
with
students
using
technology
outside the
classroom.

23%

Said they
transformed
their class
from a
lecture
forum to an
interactive
environment.

Of 200 teachers
who have not
yet flipped their
classroom...

80%

Want
to know
more.

*Statistics based on a recent study of more than 400 teachers who use Sophia, an innovative online social education platform.

WHY?

we did it...

It's not what you think...

It started with “Hey let’s flip our class this year...”



- There is some discussion over exactly when this conversation took place
- We had no idea what it would look like
- We knew a colleague had success in his science class
- There is a lot of buzz right now about flipping...

What We've Done...

Year 1

- We alternated making videos by section.
- Students had access to pdf's of the blank notes.
- Students chose their own groups all year.
- If students wanted to watch the video during class time, they had to use their own device and data.





Year 2

- We remade each video together.
- We made a note packet to give to students to fill out during the video.
- We mixed up the groups after each test so that students had to learn to work with a variety of people.
- We had access to iPads most of the year so that students could watch the videos in class if needed.

The Good - What we really like about flipping

- More question and answer time
- Easier to see where students are
- Better relationships with the kids, faster



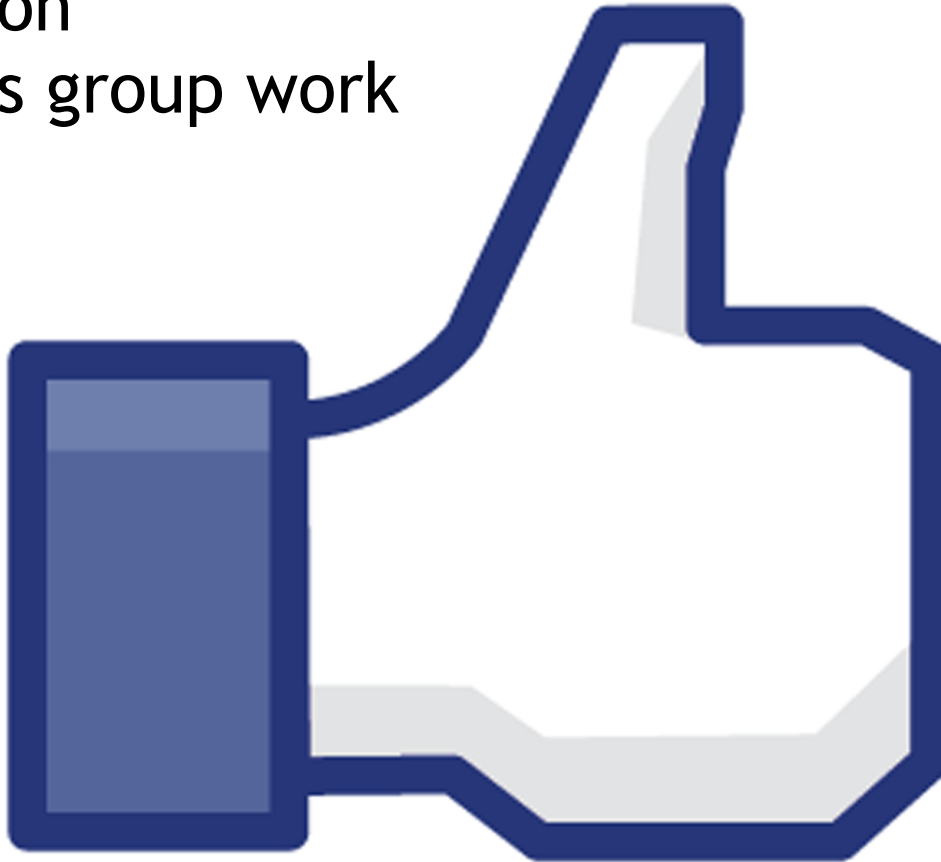
The Good – What we really like about flipping

- Announcements/Other items do not get in the way
- Missing class does not mean missing the content
- Pause, rewind, watch again and again

SUPER *good*
STUFF

The Good - What we really like about flipping

- Easier to differentiate instruction
- Promotes group work
- Promotes discussion about the current topic
- Homework goes from 1 hour to 20 minutes



The Struggle

The Bad -

What we struggled with...

- Getting the students to consistently watch the videos
- Parent pushback: the computer is teaching instead of the teacher
- Your room gets louder and busier

Continues

The Bad - What we struggled with...



- A lot of work to get started
- Limited access to technology at student homes
- Kids do not like change

The Bad -

What we really struggled with...



**KEEP
CALM
AND
STRUGGLE
ON**

- Screen casting software can be a little expensive, or not
- There is a learning curve on all of the software and apps

The Apps - What we used!

- Camtasia
 - \$200 for Windows Machines
 - \$99 for Mac
 - Educator pricing available
 - Complete video creation and editing program



Camtasia

unleash your creativity

The Apps - What we used!



- iPad

- Free! or \$30
- Create a lesson and export slides to PDF for easy note taking
- Uploads to knowmia.com (we love this site)

The Apps - What we used!



AN iPad APP TO EXPLAIN ANYTHING AND EVERYTHING.

Explain Everything

- Explain Everything - For iPad and Android
 - \$2.99 and well worth it
 - Create lessons and export to PDF
 - Has a companion tool for Mac \$15
 - Has a Mac player for free
 - Save as a movie file or upload directly to YouTube

The Apps - What we used!

- Educreations - For iPad
 - Free
 - Uploads to Educreations.com
 - Not very fancy, but will easily get the job done



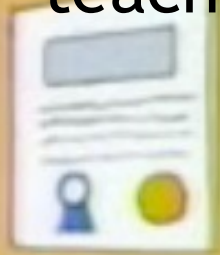
educreations

The Apps - What we used!

The logo for edmodo, featuring the word "edmodo" in a dark blue, lowercase, sans-serif font. The text is centered within a white rectangular box with rounded corners and a blue border. A blue arrow points from the left side of the box towards the text.


- Free
- Very powerful class management software
- Pushes info out to students
- Calendar, wall, library: one stop for the students to communicate

- Ask your teachers what they are doing - so you can support them with parents.
- Give your teachers freedom to experiment with this classroom structure - they will need you!
- Provide constructive feedback to your teachers.



Administrative
Tips

- Work with someone - in your building or across the web
 - We had to encourage each other last year - frequently
 - It can cut down on the amount of work you are doing
 - Trade ideas - collaborate!



Helpful
Tips



- Take a few steps at a time
 - We jumped off the cliff!
 - We learned from what we did and have made changes for this school year
 - We are already talking about what to change for next year
 - Always seek to expand this idea

- Limit the number of resources you expose to your students
 - We probably tried to use too many last year
 - We discovered that you can give them to many choices





- Don't tell the students that you are flipping
 - We had some initial struggles because of this
 - We weren't sure what this model would look like in our rooms

Some Resources

- Flipped Learning Network
 - <http://flippedclassroom.org/>
 - Several different groups to participate in
 - The groups are active
 - Great ideas



RESOURCES
click here

Some Resources

- Flipped Learning Journal
 - <http://www.flippedlearningjournal.org/>
 - Connect with teachers in your subject
 - Several great articles from real teachers

Some Resources

- Twitter - Follow these hashtags:
 - #flippedlearning
 - #flipclass
 - #edtech
 - #edchat



Example Video:



You Get Great Bloopers!!

SketchBook Express File Edit Image Window Help

Template.tif (iCloud) @ 98.4 %

Mon 2:43 PM


Precalculus – 2.4 Real Zeros of Polynomial Functions

Remember long division.....It's baaaaack! But now we are going to use it with polynomials.

$(3x^2 + 5x^2 + 8x + 7) \div (3x + 2)$

(Divisor)(Quotient) + Remainder = Dividend
 $f(x) = d(x) \cdot q(x) + r(x)$

A summary statement will have the following shape:

$$\frac{f(x)}{d(x)} = q(x) + \frac{r(x)}{d(x)}$$


Mac OS X dock with various application icons including Finder, Launchpad, Safari, Mail, Calendar, Photos, Music, App Store, Twitter, Chrome, and others.