

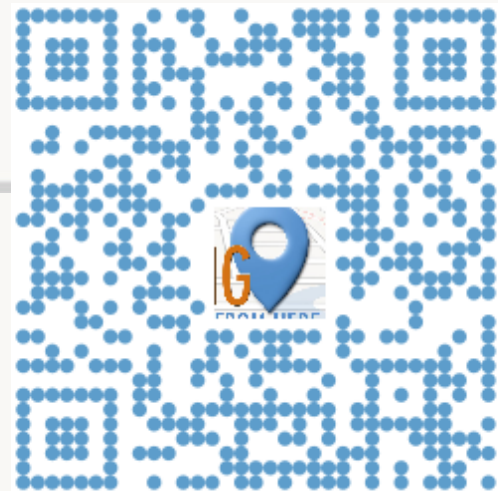
# TEACHING



## FROM HERE



Scott Haselwood  
Twitter: @TeachFromHere  
Email: [teachingfromhere@gmail.com](mailto:teachingfromhere@gmail.com)





*Scan Me...?*



A person is shown from the chest down, wearing a white short-sleeved t-shirt. The t-shirt has a graphic that reads "I ❤️ FLIPPERS" in a bold, black, sans-serif font. The word "I" is large, followed by a red heart symbol, and then the word "FLIPPERS" in all caps. The person is also wearing green pants.

**I ❤️  
FLIPPERS**

# Flip Your Class!

\*A discussion of what the flipped classroom is, what the benefits are, and how to get started.

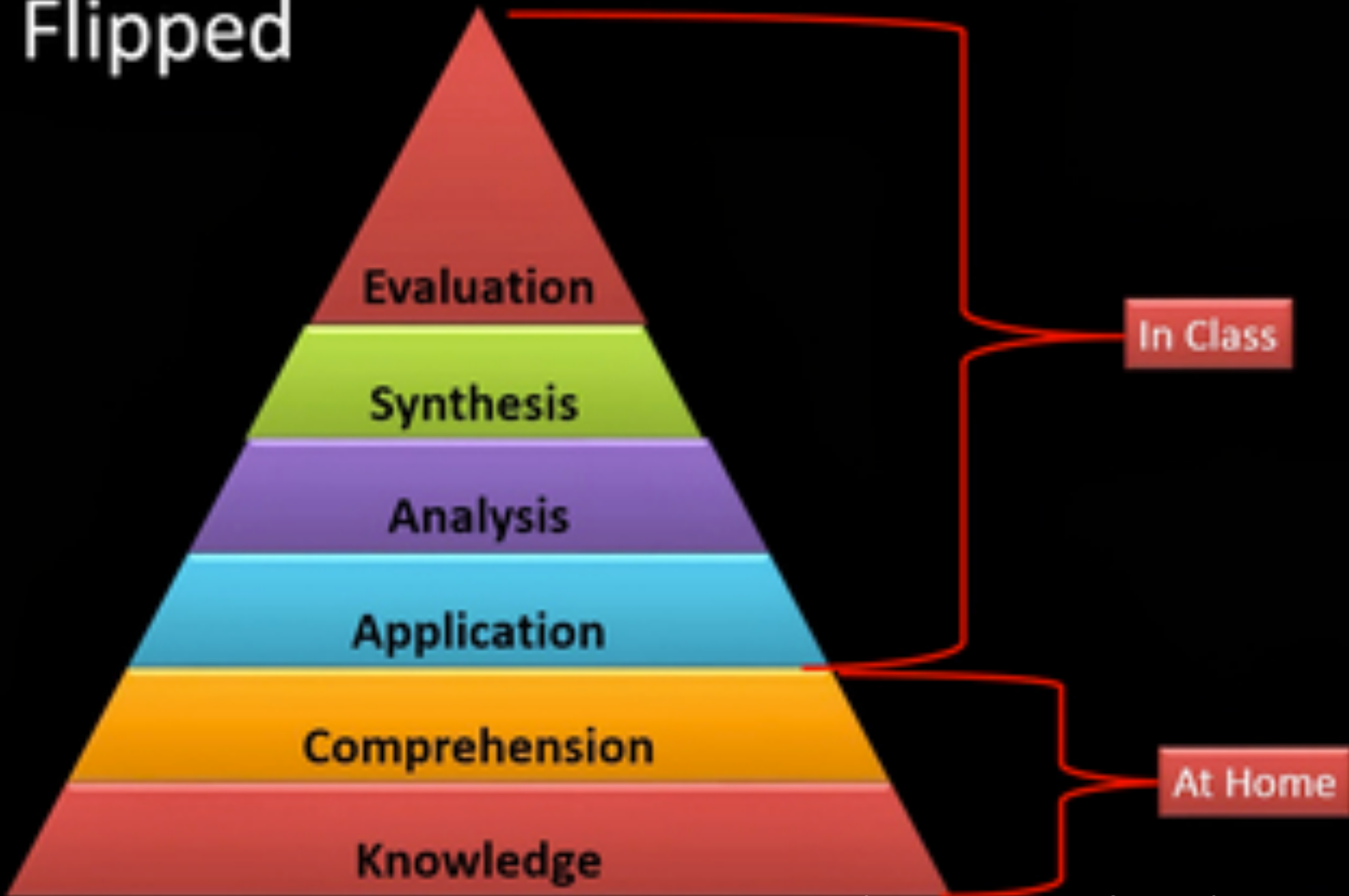
A woman with dark hair and glasses, wearing a white short-sleeved shirt, is pointing her right index finger at a chalkboard. The chalkboard is filled with various mathematical equations written in white chalk. The equations include integrals, square roots, and algebraic expressions. The woman is looking down at the board with a focused expression.

# 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?



### Traditional Classroom Model



### Flipped Classroom Model



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.

There are a few things:

**BEWARE...**

- 📌 Flipping your classroom is a challenge.
- 📌 It is way more fun with a partner.
- 📌 You will still have to push students to complete their homework.
- 📌 There will be some push back from parents and students until they understand exactly what you are doing.

- 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





These are:



- You really get to know your students - it is hard to describe how much more time you get to spend with them during your class.
- The students become the person in charge of their learning - you are no longer the keeper of the knowledge.
- Once the learning happens, it is much stronger because the student is much more involved.

# The Good – What we really like about flipping

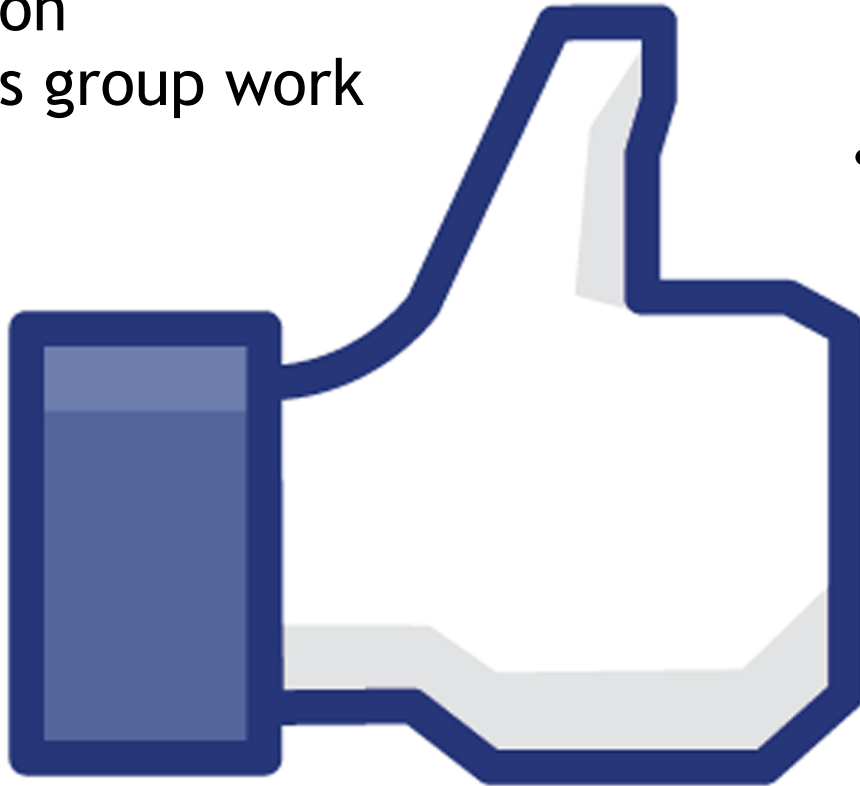
- Announcements/Other items do not get in the way
- Missing class does not mean missing the content
- Pause, rewind, watch again and again

**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





**KEEP  
CALM  
AND  
DO  
MORE**

Do more with your Classroom:

- 📌 PBL - all hour every day instead of hit and miss here and there.
- 📌 Mastery Learning - Students do not move on until they show you they are ready.
- 📌 Gamification - Use gaming mechanics with mastery learning to create a powerful classroom dynamic.





**KEEP  
CALM  
AND**

**FOLLOW  
THE PROCESS**

- 📌 Plan out your unit, lesson, or day well ahead of when you plan on getting there.
- 📌 You can write on power point slides with a Bamboo tablet.
- 📌 You can copy and paste into Sketchbook Express and annotate as needed.
- 📌 You can use SMART Notebook to record an entire lesson.

# Screencasting

Camtasia - \$200 But a complete video editing software



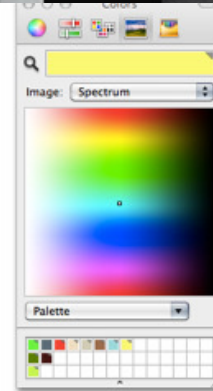
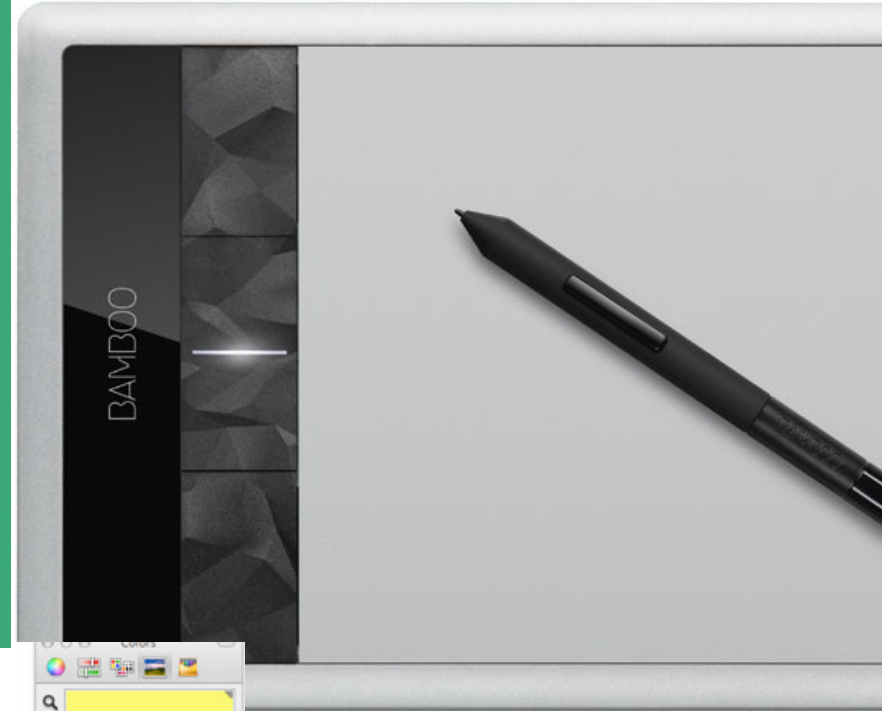
Explain Everything - A robust iPad app that explains everything...

Explain Everything  
an iPad app to explain anything and everything




# Some supplies you will need for Camtasia

- A Bamboo Tablet
- Sketchbook Express
- A USB Microphone is very handy
- Some Patience





 Use Explain Everything  
(\$2.99) on your iPad



# Recording Tips:



- 📌 BE YOURSELF!
- 📌 It's alright to make mistakes - but not too many...
- 📌 You can get some great bloopers to share with students.
- 📌 Use your voice correctly - get some range and emotion going!

# Get a place to host your videos!

- 📌 Create a Google Account
- 📌 Make a YouTube Channel





The one stop shop for video hosting!

- 📌 Label Videos
- 📌 Give them Tags and Descriptions
- 📌 Group them in Playlists

# Recording Tips:

- 📌 Audio is the most important thing - test your microphone.
  - 📌 We did a lot of recording with the built in mic.
  - 📌 But loved how the USB mic sounded.
- 📌 You do not need to script out your lesson - but have a good idea of what you want to say.





# Recording Tips



- 📌 Shorter is better - we record one long lesson and split it into shorter segments by example.
- 📌 Give yourself some time to learn the software/hardware - you do not need to be Steven Spielberg on your first go.
- 📌 Use your webcam - kids enjoy seeing you!

# 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

# 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



- 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!





- 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
  - [flippedclassroom.org/](http://flippedclassroom.org/)
    - Several different groups to participate in
    - The groups are active
    - Great ideas



## 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
  - #edtech
  - #flipclass
  - #edchat



# You Get Great Bloopers!!

SketchBook Express File Edit Image Window Help

Template.tif (iCloud) @ 98.4 %

## Precalculus – 2.4 Real Zeros of Polynomial Functions


Remember long division.....It's baaaaaack! 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.