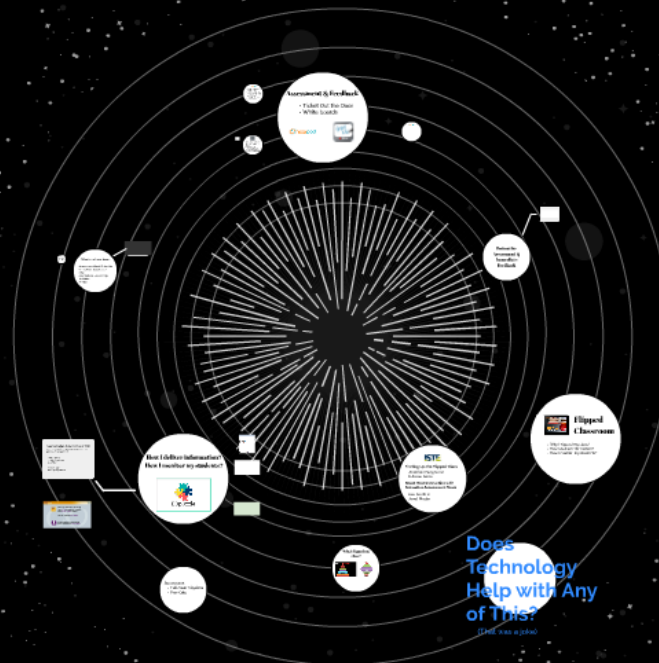




Does Technology Help with Any of This?

**NCTM ANNUAL MEETING
& EXPOSITION 2017**
 April 5-8 San Antonio



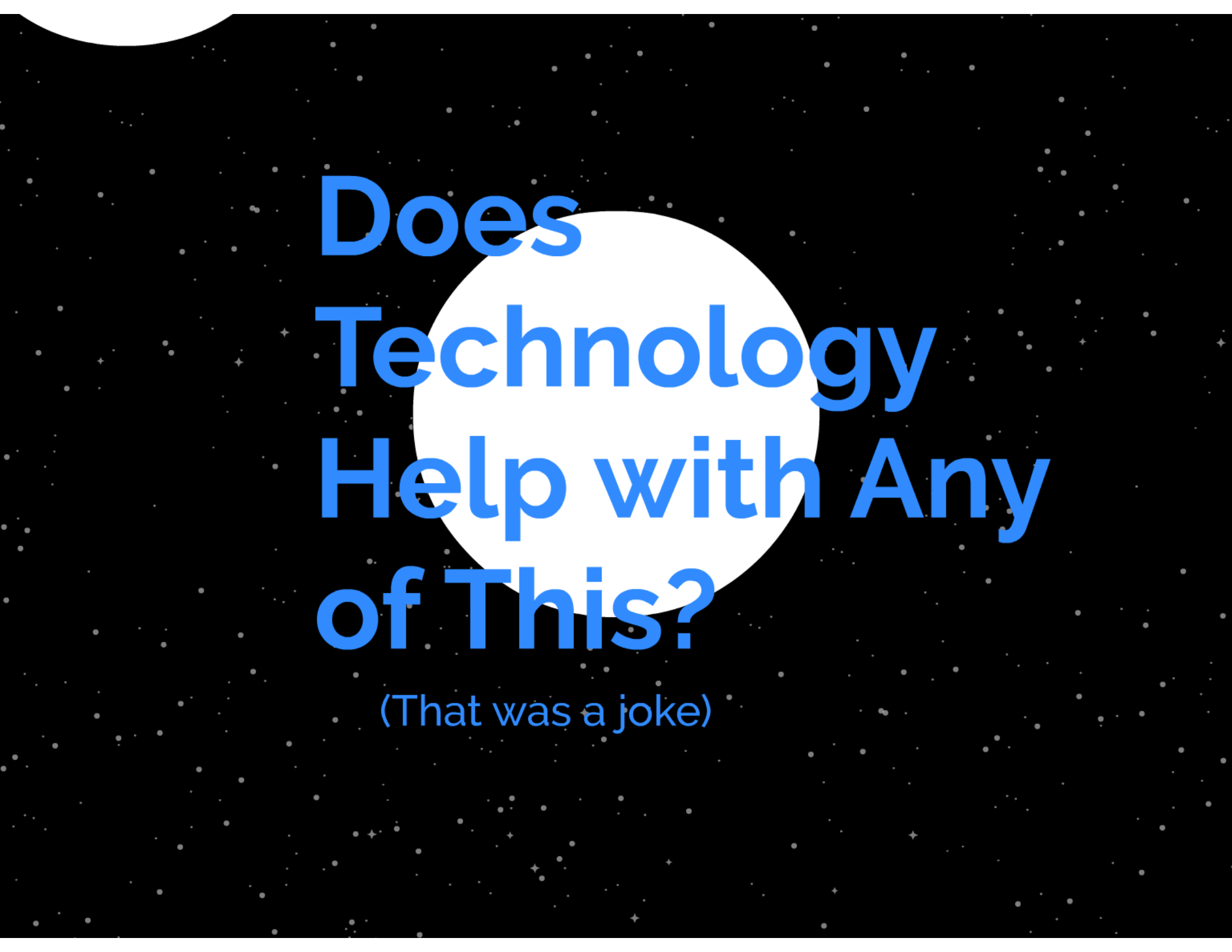


Does

Technology

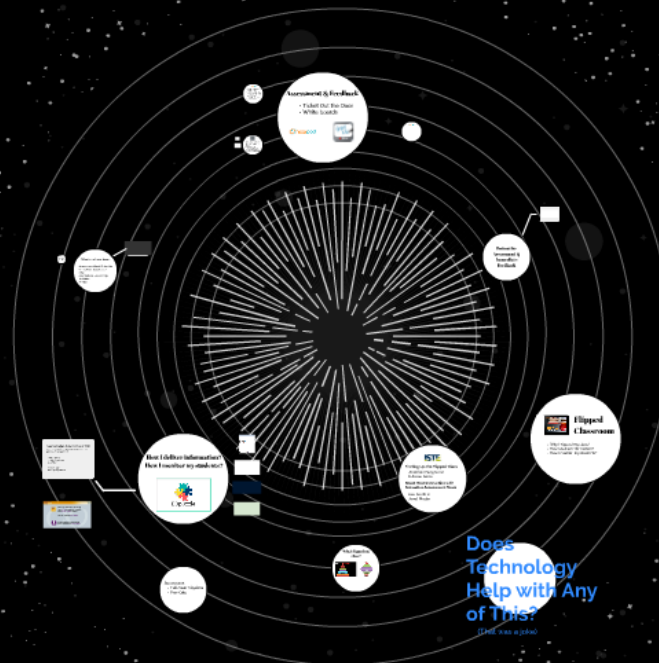
Help with A

of This?



**Does
Technology
Help with Any
of This?**

(That was a joke)



Does Technology Help with Any of This?

NCTM ANNUAL MEETING
& EXPOSITION 2017
April 5-8 San Antonio

Where we have been...

- Immersion Block Schedule
- 1-1 school, now BYOD
- PLC
- Curriculum Leadership Institute
- MTSS

Formative Assessments



Quizlet

PLC

1. What do we expect our students to learn?
2. How will we know they are learning?
3. How will we respond when they don't learn?
4. How will we respond if they already know it?
5. Does technology help with any of this?

PLC

1. What do we expect our students to learn?
2. How will we know they are learning?
3. How will we respond when they don't learn?
4. How will we respond if they already know it?
5. Does technology help with any of this?

Where we have been...

- Immersion Block Schedule
- 1-1 school, now BYOD
- PLC
- Curriculum Leadership Institute
- MTSS



Assessment & Feedback

- Ticket Out the Door
- White boards

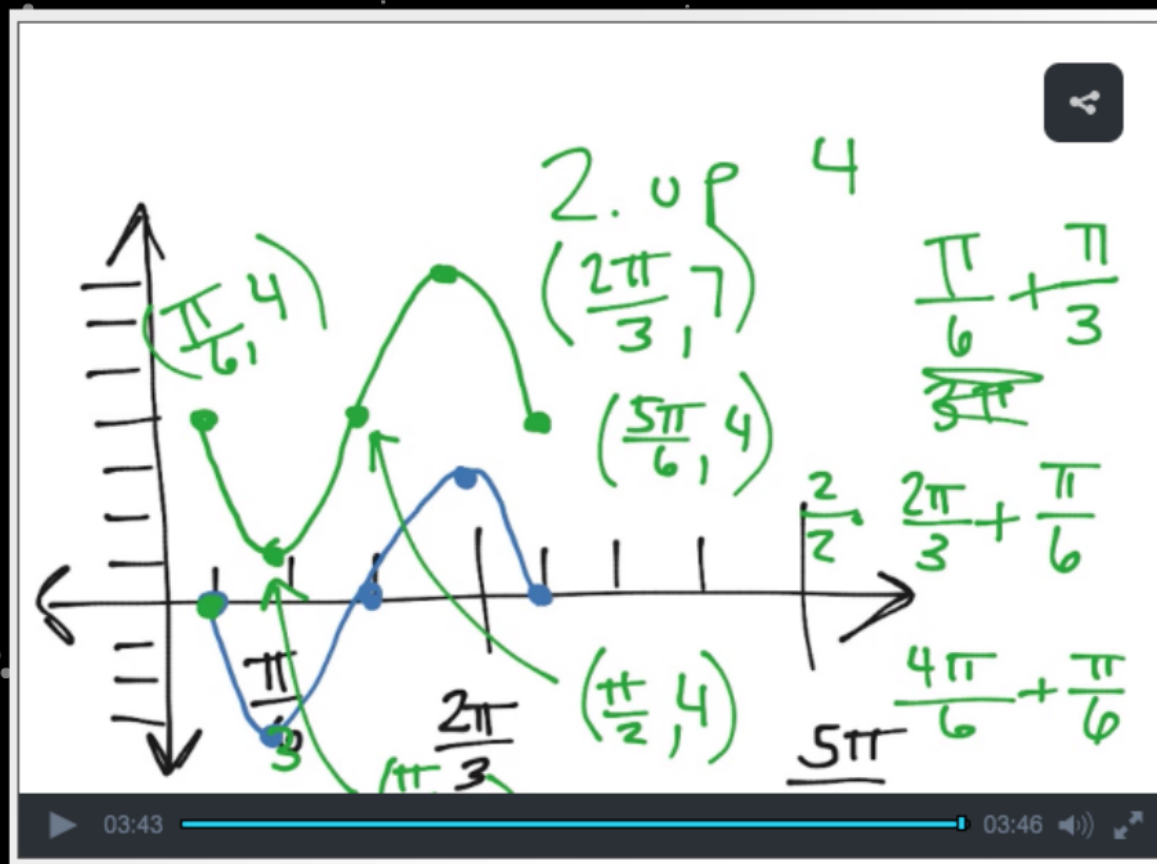




- Student-paced or Teacher-paced
- Variety of questions (Draw, Multiple choice, Short answer, ...)
- Takes time to create
- Great reports



- Interactive whiteboard
- Time consuming to grade
- Opportunity for individual student insight and feedback



$$y = -3\sin\left[3\left(x - \frac{\pi}{6}\right)\right] + 4$$

RECORDED WITH

SCREENCAST  MATIC

03:46





- Student-paced or Teacher-paced
- Variety of questions (Draw, Multiple choice, Short answer, ...)
- Takes time to create
- Great reports

Assessment & Feedback

- Ticket Out the Door
- White boards



- Interactive whiteboard
- Time consuming to grade
- Opportunity for individual student insight and feedback



**Formative
Assessment &
Immediate
Feedback**

$$-2|2x - 3| < -10$$



Flipped Classroom

- Why I flipped my class?
- How I deliver information?
- How I monitor my students?



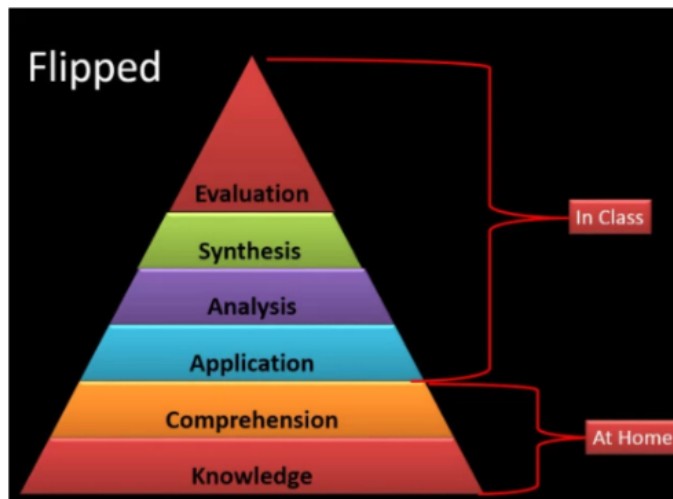
Firming Up the Flipped Class

Jonathan Bergmann
& Aaron Sams

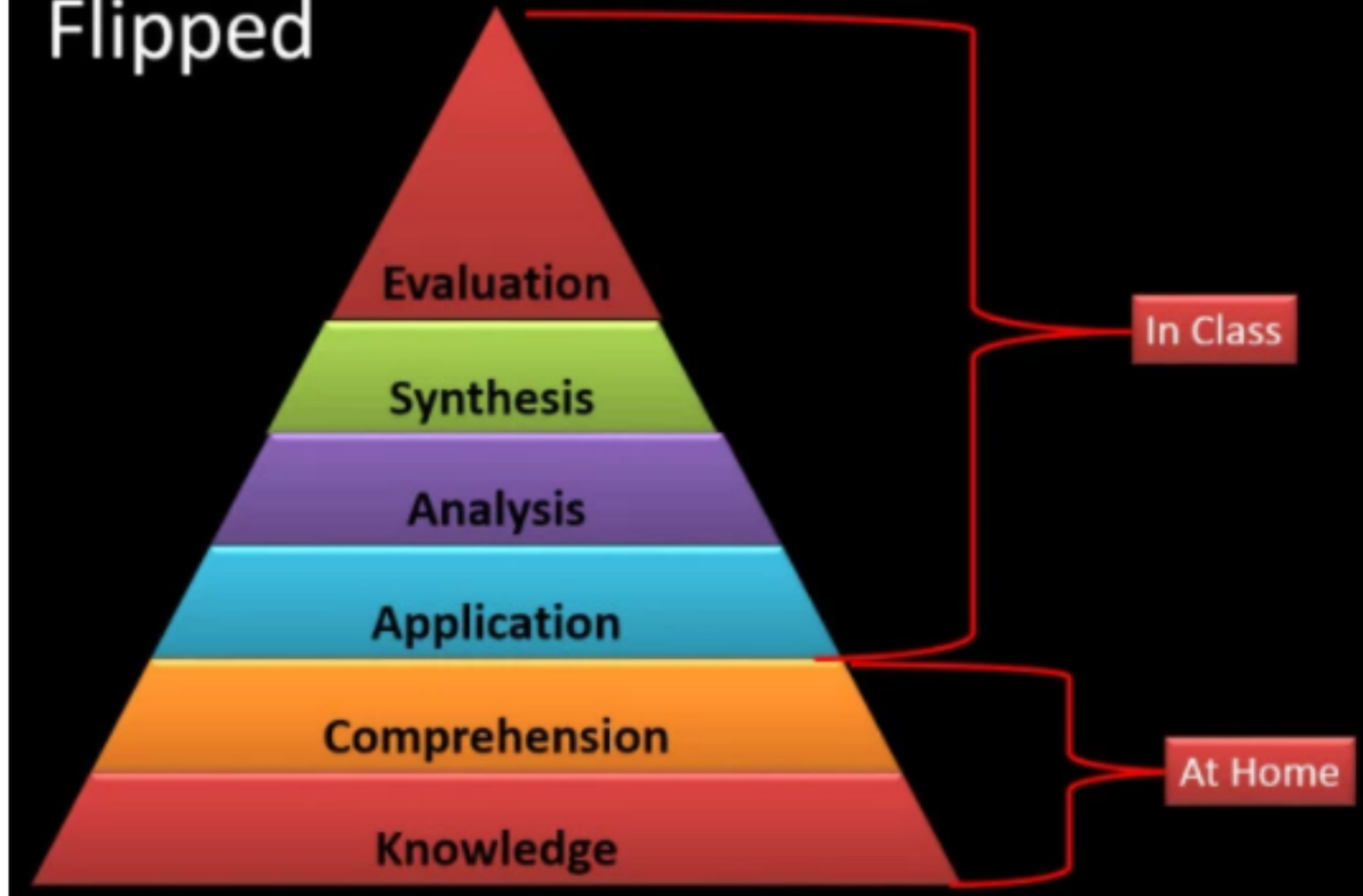
Boost Your Instruction with Formative Assessment Tools

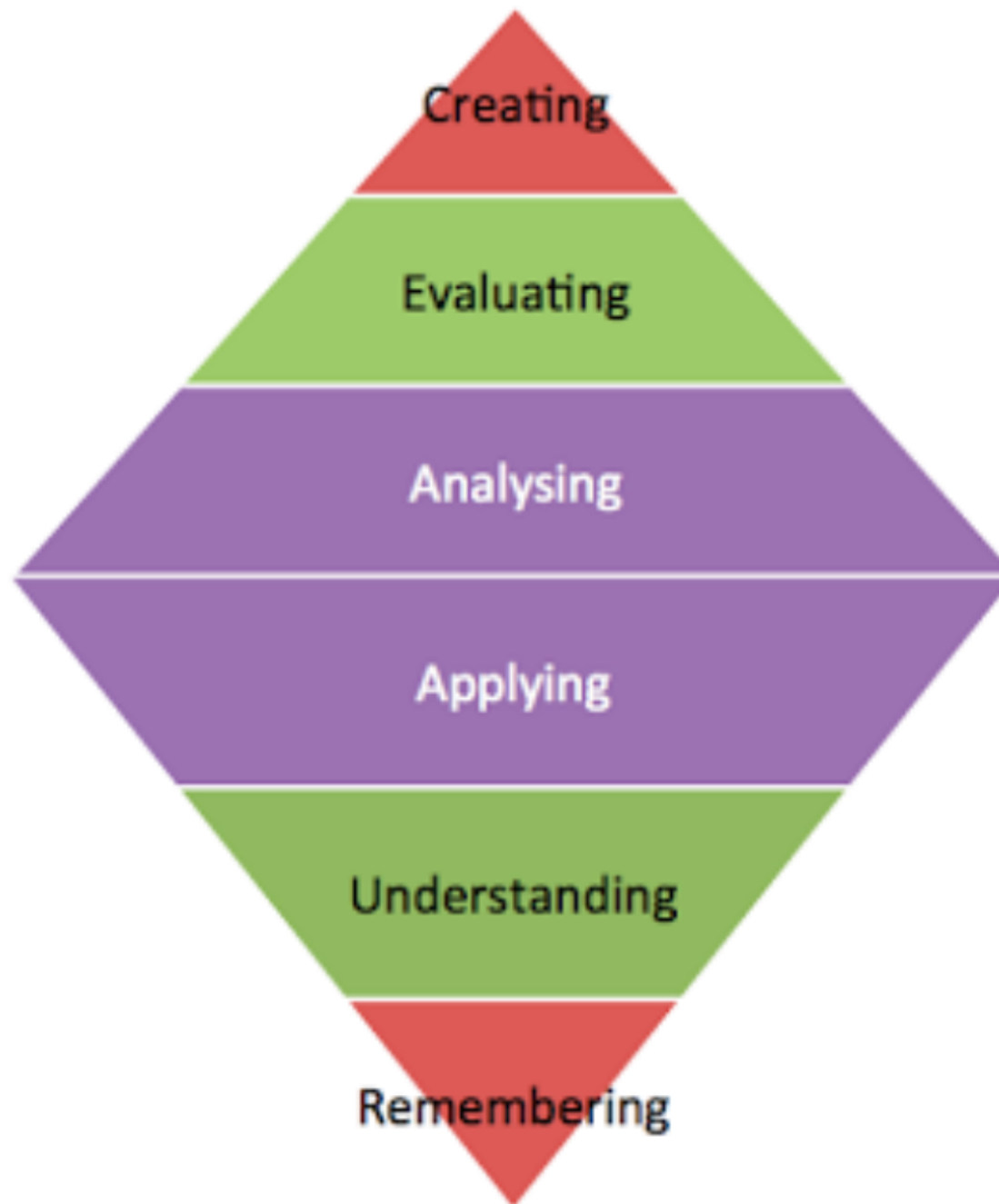
Ben Smith &
Jared Mader

Why I flipped my class?

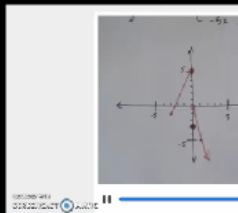
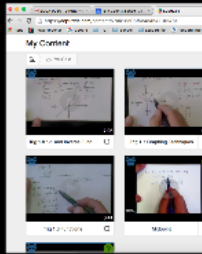


Flipped





Type	Assignment
📺	Fipping Your Close
📺	Nikopoint
📺	Distance Formula
📺	Trig 1.4 Graph of a
📺	Trig 1.3 Functions
📺	Trig 1.5 Properties
📺	Trig 1.7 Graphing
📺	Trig 1.6 Library of
📺	1.8 Combinations
📺	Trig 1.8 1-1 and In

[illegible]

▼ Upcoming

Type	Assignment
 	Flipping Your Class: What is a Flipped Class?
 	Midpoint
 	Distance Formula
 	Trig 1.4 Graph of a Function
 	Trig 1.3 Functions
 	Trig 1.5 Properties of Functions
 	Trig 1.7 Graphing Techniques
 	Trig 1.6 Library of Functions
 	1.8 Combinations of Functions: Composite Functions
 	Trig 1.8 1-1 and Inverse Functions

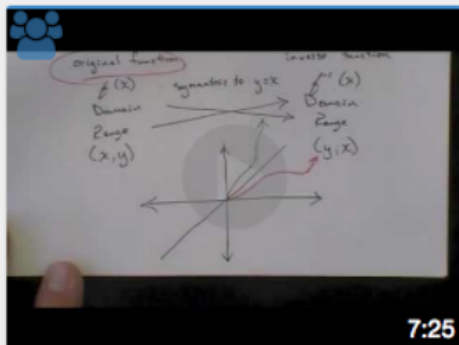
My Content

Assign | Share

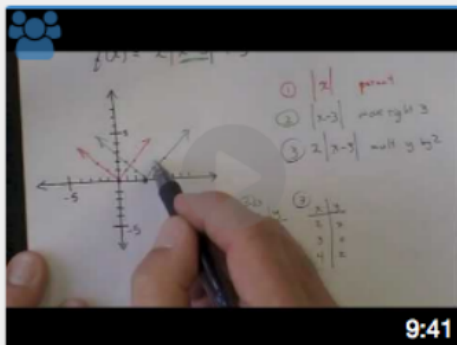
Move to folder

Create

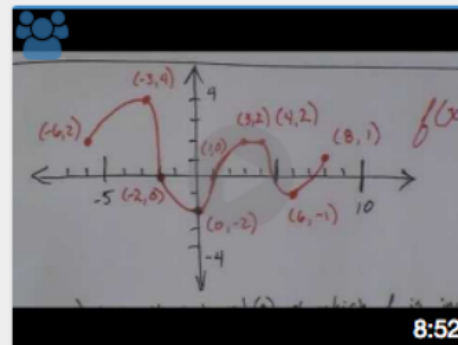
Pre-Calc



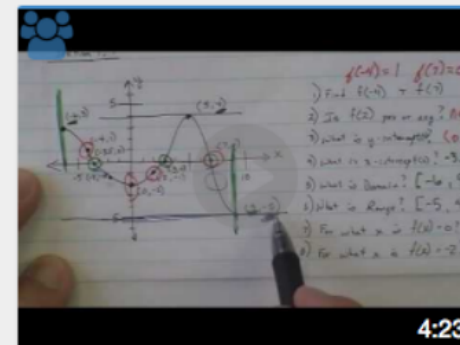
Trig 1.8 1-1 and Inverse Func...



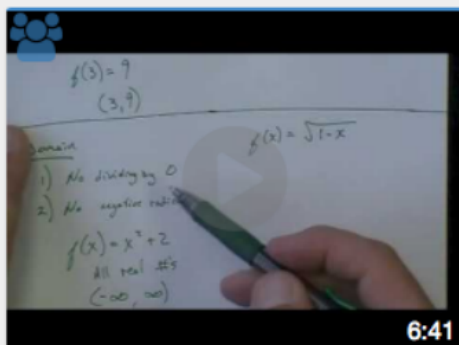
Trig 1.7 Graphing Techniques



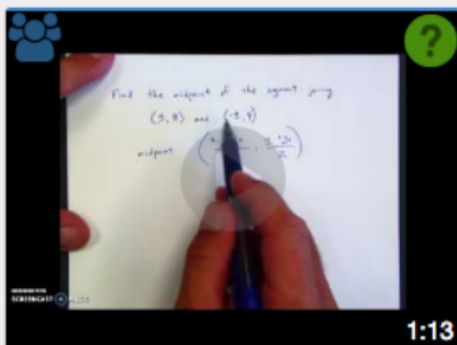
Trig 1.5 Properties of Functions



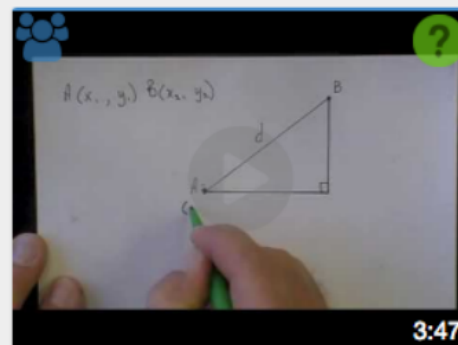
Trig 1.4 Graph of a Function



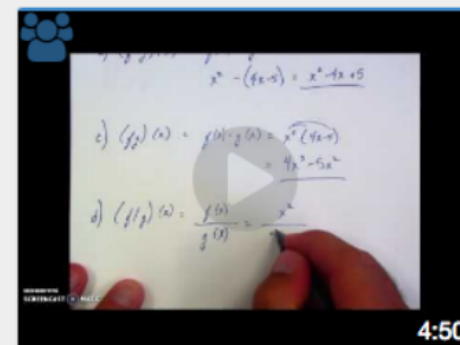
Trig 1.3 Functions



Midpoint



Distance Formula

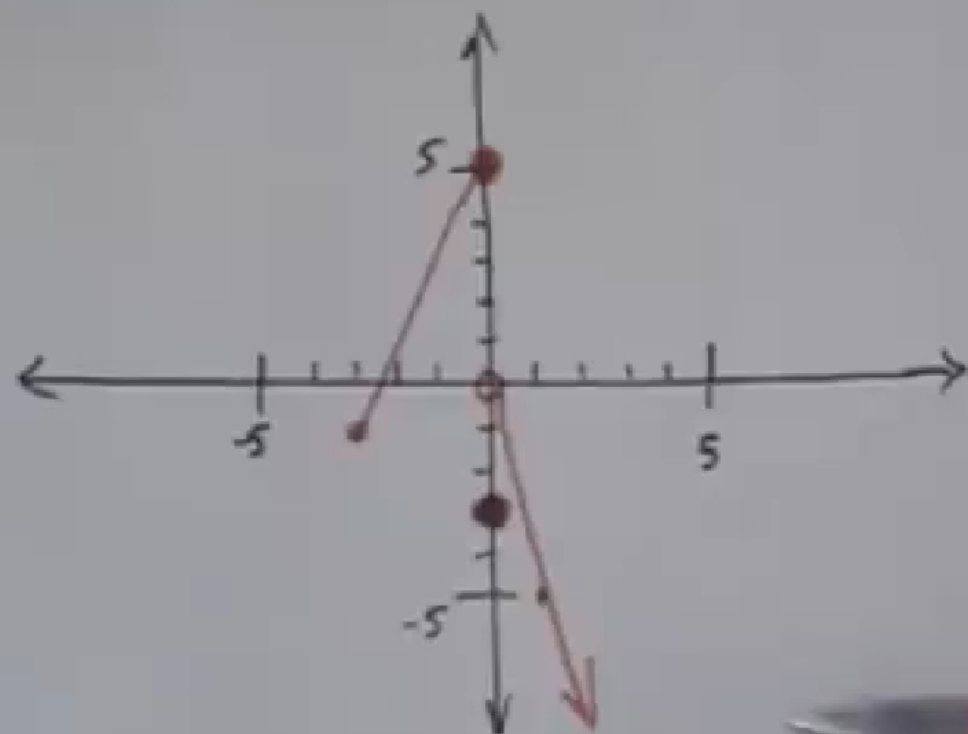


1.8 Combinations of Function...



Help

$y = -5x$, if $x > 0$



Domain

Range

Intercepts

Is the graph continuous?



?



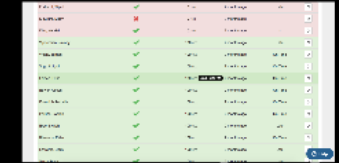
04:39
06:07



MATIC

Ehrhardt, Wyatt	✓	0 / 100	2 months ago	Late	↻
McClure, Macy	✗	0 / 100	2 months ago	-	↻
Diaz, Kendall	✓	0 / 100	2 months ago	-	↻
Vipperman, Jakoby	✓	100 / 100	2 months ago	Late	↻
Wasia, Jordan	✓	100 / 100	2 months ago	On Time	↻
Vogt, Abigail	✓	100 / 100	2 months ago	On Time	↻
Larsen, Erika	✓	100 / 100 Jan 9, 5:29 PM	2 months ago	On Time	↻
Bower, Ashlyn	✓	100 / 100	2 months ago	On Time	↻
Eisenrich, Isabelle	✓	100 / 100	2 months ago	On Time	↻
Phillips, Jordan	✓	100 / 100	2 months ago	On Time	↻
Bree, Skylah	✓	100 / 100	2 months ago	Late	↻
Klessens, Peter	✓	100 / 100	2 months ago	On Time	↻
Edwards, Cody	✓	100 / 100	2 months ago	Late	↻
Victor, Peter	✓	100 / 100	2 months ago	Late	↻

How I deliver information?
How I monitor my students?

The logo for EDpuzzle, featuring four interlocking puzzle pieces in teal, yellow, blue, and red, arranged in a cross shape. Below the pieces, the text "EDpuzzle" is written in a grey, sans-serif font. The entire logo is enclosed within a thin teal rectangular border.

Successes

- Full-Year Algebra
- Pre-Calc



Rate this presentation on the conference app!

Search “NCTM” in your app store or follow the link at nctm.org/confapp to download



Join in the conversation! [#NCTMAnnual](https://twitter.com/NCTMAnnual)



Download available presentation handouts from the online planner at nctm.org/planner

Does Technology Help with Any of This?

NCTM 2017 Annual Meeting & Exposition Session 184

April 6, 2017 San Antonio, TX

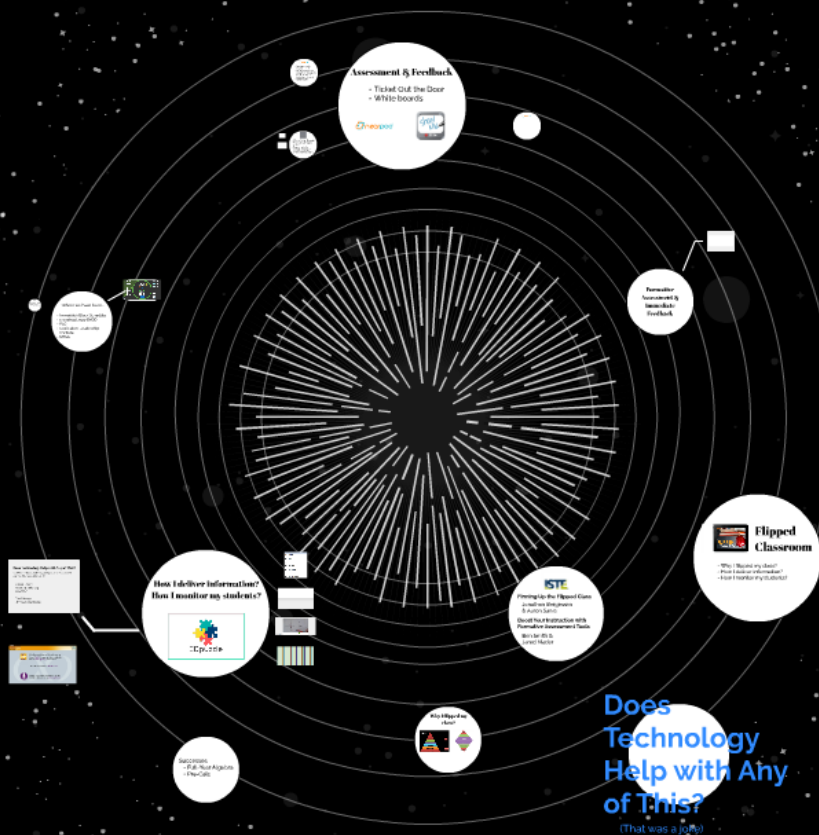
Shawn Trotter

strotter@park6.org

@307Trot

Tom Brinegar

tbrinegar@park6.org



Does Technology Help with Any of This?

NCTM ANNUAL MEETING
& EXPOSITION 2017
April 5-8 | San Antonio