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Leveraging Desmos in Remote Instruction

# Background

B.A. from St. Lawrence University, fine arts and mathematics

- Lynhurst 7th & 8th Grade Center
  - Loop with our students
  - Urban School District
  - Math Department Chair
  - Girls Who Code
- University of Indianapolis
  - Math Methods, Teach STEM<sup>3</sup> (formerly WW)

# **Classroom & Teaching Practices**

Piloting Illustrative Mathematics curriculum

- My Favorite Mistakes
- Discourse and collaboration
- Inquiry and problem based learning
- Interaction is integral to mathematics learning

# **Transitioning to Remote Teaching**

## Not an E-Learning School

- Always built in two snow days to our calendar
- Thursday March 12th at 6pm shut down
- Monday March 16th First lesson posted
  - We did one week of 5 days of lessons
  - 2 week spring break
  - Modified schedule remainder
    - M/F waiver days (teacher prep)
    - T-TH E-Learning days



# **PANIC-GOGY**

"I think the first thing is we are *not* building online courses or converting your face to face courses to online learning. Really, what we're doing is we are trying to extend a sense of care to our students and trying to build a community that's going to be able to work together to get through the learning challenges that we have." - Robin DeRosa, director of the Open Learning and Teaching Collaborative at Plymouth State University in New Hampshire.

Kamenetz, A. (2020, March 19). 'Panic-gogy': Teaching Online Classes During The Coronavirus Pandemic. Retrieved June 05, 2020, from https://www.npr.org/2020/03/19/817885991/panic-gogy-teaching-online-classes-during-the-coronavirus-pandemic

## GRACE

## My goals/focus after my initial reflection:

- 1. Not all of my students had the privilege to focus on school work
- 2. Not all of my colleagues had the privilege to focus on school work
- 3. I wanted to maintain my classroom culture/style into E-Learning for those with the ability and desire to engage in learning
  4. Show the students that I cared



www.desmos.com

Online graphing calculator

www.teacher.desmos.com

- Pre-made interactive math lessons (some science)
- Search in google for desmos activities + content keyword other content areas

### desmos

#### Search for an activity

Q

#### Home

Most Popular

FEATURED COLLECTIONS

Conics

Exponential Functi...

Functions

Inequalities

Linear Functions

Linear Systems

Middle School Geo...

Modeling

**Quadratic Functions** 

Recently Released...

Starter Screens

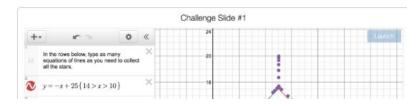
Transforming Funct... Transforming Shapes View All

### **Desmos Classroom Activities**

At Desmos, our mission is to help every student learn math and love learning math. Explore and enjoy our collection of free digital math activities for you and your students.

Watch the video

What We Offer



### Meaningful Feedback

We show students what their answers mean, then give them the opportunity to improve their thinking and revise their work.

#### @LisaGCeja

# **Moving Forward**

- Edpuzzle students interact with videos instead of passively watching them
- Flipgrid get more student conversations happening
- Google Meet do more "live" lessons
- Learn more computation layer stuff in desmos



Desmos activity (teacher view) used in the presentation <u>can be found at this link</u>

Desmos activity (student view) use in the presentation <u>can be found at this link</u>

Desmos Cheat Sheet created by Olivia Birdsall <u>can be found at this link</u>



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All resources including this presentation can be found at <a href="https://tinyurl.com/desmoswwtf">https://tinyurl.com/desmoswwtf</a>