

Leveraging Desmos in Remote Instruction

Olivia Birdsall
Indiana Cohort 4
*University of Indianapolis
Lynchurst 7th & 8th Grade Center*

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 STEM³ (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.

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

Desmos

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**

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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

Resources

Desmos activity (teacher view) used in the presentation [can be found at this link](#)

Desmos activity (student view) use in the presentation [can be found at this link](#)

Desmos Cheat Sheet created by Olivia Birdsall [can be found at this link](#)

Thank you!



Olivia Birdsall

olivia.birdsall@wayne.k12.in.us

@msoliviabird

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