

WiFi Details

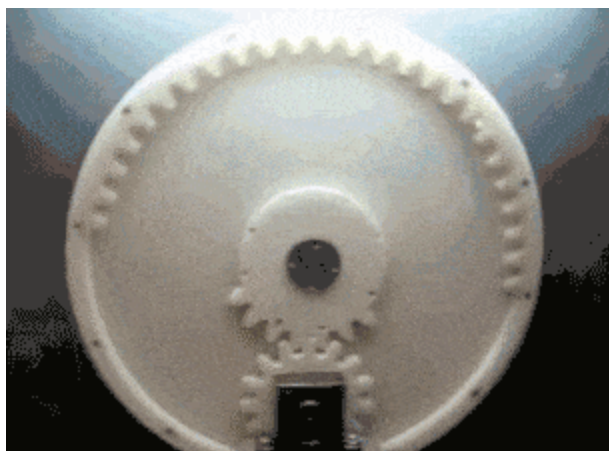
This works:

- Network: Augsburg-Guest
- Username: twitterm
- Password: tweet2016

This works, too:

- Network: Augsburg-Guest
- Username: wirelesssguest
- Password: july2016

And this:



Schedule

This is a rough outline of some fun we've planned in advance. You're welcome to find some friends or collaborators and make your own fun instead. Enjoy the space.

8:00	Breakfast & Registration
9:00	Welcome remarks from a hologram of Desmos CEO Eli Luberoff.
9:30	Break
9:45	Desmos Calculator working groups

11:30	Lunch & keynote with Sara VanDerWerf
12:30	Desmos Activity Builder working groups
3:00	So long & enjoy the certificates of completion!
4:00	Happy hour at Republic .

Sharing

You're welcome to share whatever you want from our time together. Let's use #descon16.

Desmos Calculator Working Groups

Beginner: 202 (Old Main)

Intermediate: 105 (Old Main)

Advanced: 210 (Old Main)

Here are a few ways you could make use of this time:

- Find an interesting calculator screen from [our Preconference Potluck](#). Can you re-create it from scratch? Can you modify it in an interesting way?
- Head to learn.desmos.com and find a tutorial that looks interesting.
- Find allies and complete a [calculator scavenger hunt](#).
- Ask one of our working group facilitators for some help or for a suggestion.
 - *Beginning*: Michael Fenton & Jenny Wales - OLD MAIN Rm 202
 - *Intermediate*: Cori McElwain & Christopher Danielson - OLD MAIN Rm 105
 - *Advanced*: Shelley Carranza, Luke Walsh, Chris Lusto - OLD MAIN Rm 210

Add your name and questions you still have right below here and one of your colleagues will help:

- *Henri Picciotto*: I'm hoping to work on an applet for my Web site, and will need some help with the API and JavaScript.
 - Abby Roza: What are elementary/early middle school students doing with Desmos? +2
- Nathan: I've made some things....

<http://mrkraft.wikispaces.com/Mr+Kraft%27s+Desmos+Creations>

Jessica (@algebrainiac1): I LOVE Nathan's stuff, but my students use it just about each day...I will add for what during lunch!

- Glenn Waddell; Very interested in extending my skills in using lists and connecting them with other functions.
- Luke Walsh: Polar stuff for Meg <https://www.desmos.com/calculator/imvqclwe0j>
- Luke Walsh: trace feature for Audrey <https://www.desmos.com/calculator/bsqkxpklf>
- Luke Walsh: array for Megan <https://www.desmos.com/calculator/ei23aaw41g>
- Desmos team: anyone know what paper the scavenger hunts were printed on? It's amazing! (#plannernerd #offtopic)
- Debbie Boden: How can I copy in existing card sorts - like from Shell Center - and without plagiarism issues??

Write your name below and tell us something new you learned this morning – about the calculator, about yourself, or about anything else.

Heather Kohn. So much awesome learning! Grouped points; creating lists; polar roses; using desmos to show trig identities proofs are just a few!

Lisa Henry Clarification on how restrictions work. Also, as I continue to wrestle with the question of how to appropriately incorporate technology into the mathematics (but not lose the mathematics), seeing how other teachers incorporate Desmos into their classes was helpful. I really loved seeing the Potluck that Michael put together.

Gregory Taylor. Mixing moveable points with regressions. Also, how lists are a thing and some of what they can do - thanks Glenn!

Afternoon Keynote – Sara VanDerWerf

Blog: <https://saravanderwerf.com/>

Twitter: <https://twitter.com/saravdwerf>

- Sara declares herself Chief Evangelist for Desmos (among other things). You all should too.
- An evangelist is
- Create opportunities.
 - Math Wall of Shame
 - Calculator Museum—this opens up how parents feel about math
 - Hanging MTBoS tag on a lanyard. People ask about it; opens the conversation
- Who is your audience for evangelizing? Students and parents—use conferences to open conversations beyond grades. Principals and leaders.
- “I am on a mission in this state to get teachers and students using Desmos.” Audience used to be students and teachers. Now I look beyond them.
- Students had no access to graphing calculators outside of the school day prior to the last four years.

- The key equity move is to convince all students to get Desmos on their phones. In class, in parent-teacher conferences. If you're not doing this in the classroom, they're not going to use them at home.
- ART PROJECT ANTI-CHEATING MOVE! Have students draw a picture on graph paper first (without telling them it's a project), *then* have them move to Desmos. They turn in their sketches as part of the project.
- Learn to ride the Backwards Bike! (Both literally and metaphorically)

Activity Builder Introduction

- Notes go here. D# B b

Desmos Activity Builder Working Group

- Look at some of the awesome activities other people have created. Can you re-create them from scratch? Can you modify them in an interesting way?
- Makeover an existing worksheet using Activity Builder. What are good practices for adaptations like this?
- Find allies and complete an [activity builder scavenger hunt](#).
- Ask one of our working group facilitators for some help or for a suggestion.
 - 210: [Middle School](#): Chris Lusto, Luke Walsh, Michael Fenton
 - 202: [Algebra 1 / Algebra 2](#): Jenny Wales, Christopher Danielson
 - 105: [Primary / Geometry / Statistics / Precalculus / Calculus / Other / Etc / Miscellaneous](#): Shelley Carranza, Cori McElwain

Add your name and questions you still have right below here and one of your colleagues will help:

- *Name*. Question.
- Sarah Martin Is there a way to search for card sorts that have been made?
 - Jessica: You have to share the links to the card sorts to be able to share them with each other. Only the desmos activities & ones they have approved are searchable.
 - Michael: Expect to see some card sort activities land in the search pool over the coming months. :)
- Michele Torres: I would love to be able to see more card sorts too!
- Jessica: How do we duplicate card sorts? That option doesn't exist.
 - Update: They are working on it!
- Calcdave: I'd like the ability to add titles to the groups to explain how students sorted. Maybe once this feature comes out, teachers could pre-make titles to get students to sort into the predefined groups.

Write your name below and tell us something new you learned this morning – about the calculator, about yourself, or about anything else.

Name. Awesome learning.

Justin Aion: I worked with Jonathan to improve his amazing [orbit graph!](#)

Heather Kohn: I learned to make this!

<https://teacher.desmos.com/activitybuilder/custom/57892adb4dfb4c2814ec8a6e>

Sue VanHattum: I learned about folders and image imports. I learned from Deb Boden (@debboden) that if you have students import a selfie to outline with functions, they can't find it online. (another anti-cheat possibility). Here's mine:

<https://www.desmos.com/calculator/vb3krnnlcw>

Brian: I created a (unpolished) relations [card sort](#) on categorizing non-functions, functions, and one-on-one functions for an algebra 2/precalc class.

Joanathan S.: I learned many ideas that I can share with colleagues in my district on Desmos.

Brian Bushart: I created two Desmos activities for elementary students. [The first](#) is about locating whole numbers on number lines given a slider that moves at regular increments. [The other](#) is about locating fractions on number lines based on given partitions (or lack thereof).

Jessica: I learned about card sorts and spent some time thinking about how to set up and organize my first staff desmos introduction for the new school year as we lead into 1:1

Chromebooks. (The scavenger hunt document is perfect kick off to that!)

AND I was reminded about the Desmos Bank of activities....

<https://sites.google.com/site/desmosbank/>

Jonathan: worked through the card sort mechanics with this:

<https://student.desmos.com/?prepopulateCode=4s93>

Julie W. I learned TONS about building an activity, which I had never done before. It's amazing to me how fast you can make something with loads of different features. After lunch I made this systems of equations activity:

<https://teacher.desmos.com/activitybuilder/custom/57892f826c0cdd9b1e2b7f07>

I feel ready to go explore!

Elizabeth: Made my first Polygraph(!), which gives students practice in asking good Yes/No questions (called "getting to know you") -- Polygraph class code FYHA

John G: made my first card sort, and Megan's spiral.

Marissa Walczak: I learned how to do tons of stuff in the calculator, such as moving points (and images) along a function like in this: <https://www.desmos.com/calculator/le7la5wjov>

Dianna Hazelton - Card Sort on Circles

<https://teacher.desmos.com/activitybuilder/custom/578931736c0cdd9b1e2b7f5f>

Bruce Nice day. I started on Card sort (Amount Functions and Rate Functions) on matching direction, concavity ... I really need a grid to put the cards into a table of Rows and columns.

<https://teacher.desmos.com/activitybuilder/custom/57892fa80d6db89a1e3779dc>

Thanks Desmos.

Lisa Henry In addition to restrictions and how to trace a graph, I blogged - <http://www.teachesmath.com/?p=888>.

Add a classcode here for an activity you created if you'd like someone to test it and give feedback. **Also share the full link here so others can bookmark it for themselves too!**

We made a Google Spreadsheet for all of the Card Sorts. Add yours here.

- Norma: Distance/Time Card Sort - 3ES4 NOTE: probably needs another iteration (or two!) - based on MAP lesson (link is in the teacher notes). [\[activity link\]](#)
- Michele: Vocabulary for Geometry Card Sort P6CG [\[activity link\]](#)
- Graham: 3rd grade triangle sort J4SC [\[activity link\]](#)
- Wendy: Redo Intro to Linear Systems E3GS [\[activity link\]](#)
- Jonathan S. Arithmetic, Geometric, Neither Card Sort SU59 [\[activity link\]](#)
- Heather Kohn: Quadratic Equations Card Sort: 5H8Y [\[activity link\]](#)
- Brian: Relations card sort JTYX [\[activity link\]](#)
- Matt Baker: Visual Patterns Card Sort [\[activity link\]](#)
- Lisa Winer: Parent Function card sort VSKA [\[activity link\]](#)
- Denis S.: Graph the Vegan Math Beagle Code SX45 [\[activity link\]](#)
- Denis S Marbleslides Logos: Code H2UW [\[activity link\]](#)
- David Wees: Adding and Subtracting Directed Numbers. [\[activity link\]](#)
- Jessica Breur - Fraction, Decimal, Percents - Class code: JUW7 [\[activity link\]](#)
- Julie Wright : [Captain Bogg & Salty Concert Fundraiser \(Systems of Equations\) uv2k](#) [\[activity link\]](#)
- Julia Finneyfrock: Quadratic Card Sort (X99M) [\[activity link\]](#)
- Olivia Forman: Piecewise Functions Domain/Range- Just a start [\[activity link\]](#)
- Laura Lee: Linear Representations Sort [\[activity link\]](#)

Closing Survey - Click the link to provide feedback!

Please  what you learned today, what you *wish* you

learned, and where you'd like to go from here.

I learned how to create cardsorts and marble slides. I learned how to use and hide folders, and how to make moveable dots. +1

Learned: How to do Regressions, make lists, make an activity, SO MUCH STUFF! +1

Learned:

Learned: Folders; Wish: More time and energy; Future: Keep playing with friends +1

Learned: some tricks for the calculator and made my first activity. Want to keep experimenting with more. +1

Learned: TONS about Activity Builder - went from "too intimidated to even THINK about building my own" to "I CAN FIGURE OUT HOW TO DO ANYTHING" in 2 hours. The scavenger hunt was brilliant. Also learned much more about sliders, moveable points, lists, tables, regression, and more on calculator. Only suggestion: have some clearer way to signal "I am stuck/I need help." Future: build, build, build, so much fun! +1

Learned: how restrictions work, activity builder. Wish I had more time on activity builder (partially my own fault). Want to keep learning more and working with Desmos more in the classroom.