

 Welcome to Dynamic Math
Discoveries with Desmos 

With Wendy Garrett and Sharon Newman

To get started:

1. network password:

2. Go to www.student.desmos.com and either log-in
or create an account.

student.desmos.com

[create an account - use your favorite email
and password](#)

Hey, students!

Go to student.desmos.com
and type in:

BG886

You can also share this link with your students:

<https://student.desmos.com/?prepopulateCode=BG886>

Slides 1-4

- Change the color
- dotted vs dashed
- make a table
- Projector mode
- window size

Slide 5

- equations
- notes
- tables

Slide 6

- sliders
- labels
- points
- restricting sliding only left/right $(n,0)$ or up/down $(0,p)$
- can move by slider, typing or move dot
- change the scale on the slider

Slide 7

- restrictions
- matching the function

Slides 8-9

- can add images in www.desmos.com and teacher.desmos.com but not in student.desmos.com

Slides 10

- Lists
- `a=[1,2,3,4]`
- `a=[0...8]`
- `a=[10,15,...,45]`
- `total (a)`, `mean`, `median`, `stdv`, `var`, `corr`, under the function menu on the keyboard

Slides 11

- using post-its from bellwork, make table and try regression models
- $y_1 \sim mx_1 + b$
- $y_1 \sim ax_1^2 + bx_1 + c$
- $y_1 \sim a(b)^{x_1}$
- Below is a table just in case the bellwork does not work well.

<i>Hour</i>	<i>Measured Milligrams of the Drug in the Bloodstream</i>
X	Y
0	596
1	326
2	129
3	87
4	34
5	23

Activity Builder

- Slide 12 Choice
 - > Explain -students make a selection and then explain their reasoning.
 - > simple - students just select an answer
 - > Multi-select - student select multiple answers
- Slide 13 Card Sort
 - > Once you make an account you need to turn this on. Click on your name in the upper right corner, click on Desmos Labs, and select card sort and marbleslides.
 - > This is a great tool to use those old paper/scissors activities.
 - > You will need to know how to screen shot
 - Mac: hold command/shift/4
 - PC:
 - Chrome:
- Slide 14-16 Marbleslides
 - > Play first, then show in teacher menu.

Polygraph



Hey, students!

Go to student.desmos.com
and type in:

ECZCV

You can also share this link with your students:

<https://student.desmos.com?prepopulateCod>

www.teacher.desmos.com

<http://learn.desmos.com/>

<http://azmeritportal.org/tutorials/>

<http://blog.desmos.com/>

newmans@vailschooldistrict.org

garrettw@vailschooldistrict.org

References:

Picture of earth from moon

<https://3c1703fe8d.site.internapcdn.net/newman/gfx/news/hires/2017/isotopicsimi.jpg>

Marvin the Martian

https://jtrfranklin.files.wordpress.com/2013/12/marvin002_display_image.jpg

Desmos User Guide

https://desmos.s3.amazonaws.com/Desmos_User_Guide.pdf

Dance Lessons for Engineers

<https://pics.me.me/dance-lessons-for-engineers-tt-tt-tt-cos-tan-x-cot-5116034.png>

Functions of Everyday Situations r1

<http://map.mathshell.org/download.php?fileid=1740>

