Desmos + Algebra = Deep Understanding x Fun

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Desmos?

WHAT YOU TALKIN BOUT WILLIS Picture Quotes.com

www.desmos.com

Why Desmos?

- can immediately show an error and makes students think about why it didn't work
- allows for multiple ways to write the equation (not just y=)
- allows students to be creative
- quickly allows students to see the results of changing different aspects of an equation
- allows students to explore higher level equations before they were even taught how to use them
- Desmos is constantly improving

Linear Equations Unit

What we were assessing

- slope
- intercepts
- vertical and horizontal lines
- parallel & perpendicular lines
- forms of equations (slope-intercept, point-slope)
- domain and range

Using Desmos for Assessment

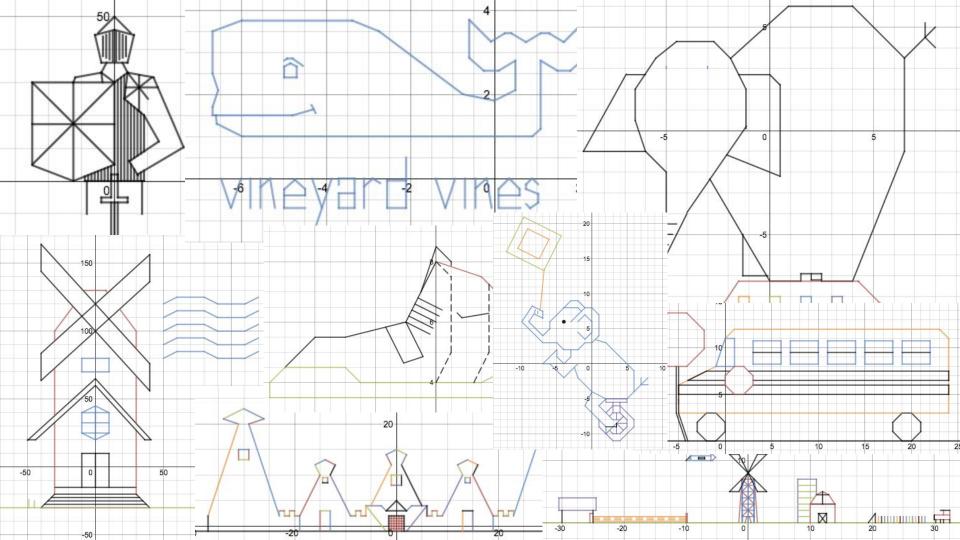
This was 30% of the unit test grade.

The other 70% was assessed with a standard paper and pencil test.

Creative Art Project - Day 1

Students work through the different levels

Goal is to progress to the point where they are comfortable making a picture



Creative Art Project

Due at 11:59PM on Tuesday 10/15

Your ucfsd.net username will be recorded when you submit this form.

Class Period

Period 4

Period 5

Last Name

First Name

Link

You can only send this once - Please be sure that you use the most upd

Send me a copy of my responses.

Review and Submit

Never submit passwords through Google Forms.

10/14/2013 16:32:2: https://www.doemoe Period 5 Requirements:

Link

10/14/2013 20:06:3 https://www.desmos Period 4

10/14/2013 19:02:31 https://www.desmos Period 5

10/16/2013 7:31:50 https://www.desmos Period 5

10/15/2013 14:05:1 https://www.desmos Period 5

10/14/2013 19:47:11 https://www.desmos Period 5

10/15/2013 18:58:1: https://www.desmos Period 5

10/14/2013 22:26:0' https://www.desmos Period 4

10/15/2013 19:48:4' https://www.desmos Period 4

10/15/2013 18:48:01 https://www.desmos Period 5

10/15/2013 21:10:3! https://www.desmos Period 5

10/10/2013 16:27:4 https://www.desmos Period 4

10/14/2013 21:01:4 https://www.desmos Period 4

10/14/2013 22:52:3 https://www.desmos Period 4

10/14/2013 21:20:2: https://www.desmos Period 4

10/15/2013 18:23:41 https://www.desmos Period 4

3 sets of parallel lines

Timestamp -

3 sets of perpendicular lines

3 lines in slope-intercept form 3 lines in point-slope form

Class Period

3 restricted domains 3 restricted ranges

3 vertical lines 3 horizontal lines

Creativity

2 points

2 points 2 points

2 points

28 2 pt slope

28 2 pt slope

24 0 slope int

Pt slope form - not

slope intercept - 0

30 30

30

30

30

30

30

30

30

5 points

5 points

5 points

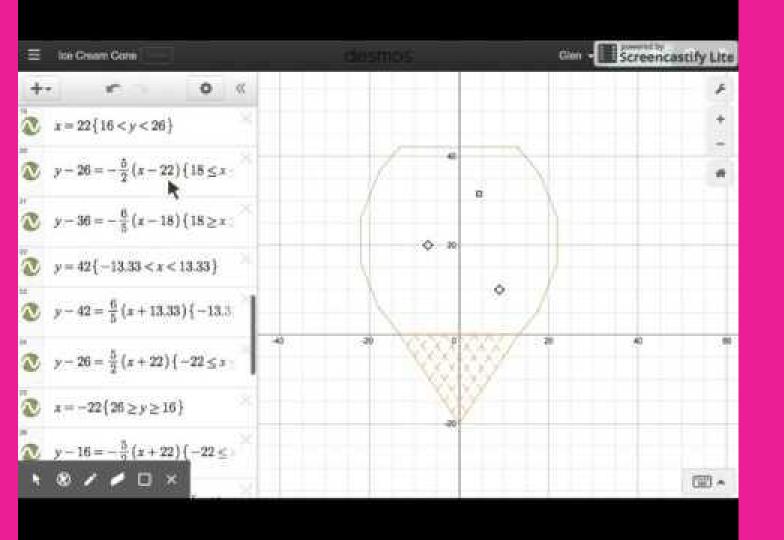
5 points

2 points

28 really

28 slope

24 0 pt slope



Changes

- You may not use sliders
- Parallel and perpendicular lines cannot have a slope of 1, -1, 0 or no slope.
- Point-slope and slope intercept form cannot have a slope of 0 or go through the origin.
- Point-slope form equations cannot contain an x or y intercept.
- The project must BE something: No Abstract Art!

Linear Inequalities Unit

What we were assessing:

- compound inequalities
- slope and intercept
- vertical and horizontal lines
- domain and range

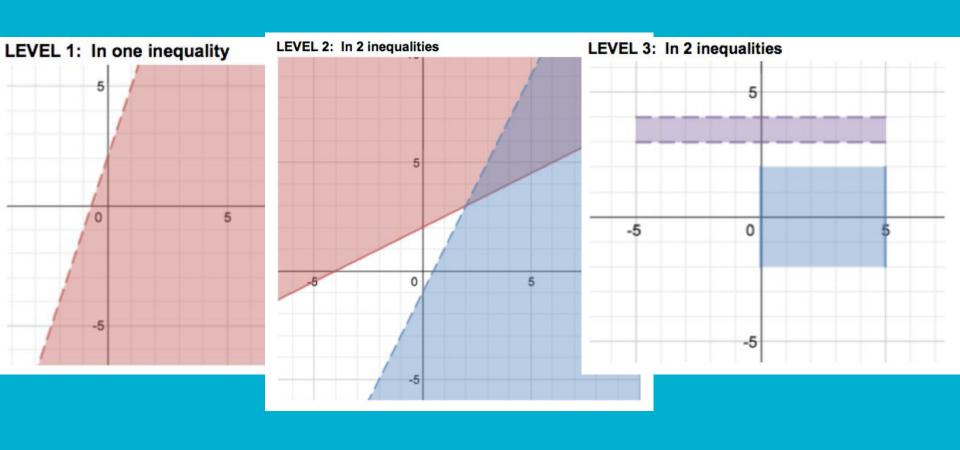
Assessment

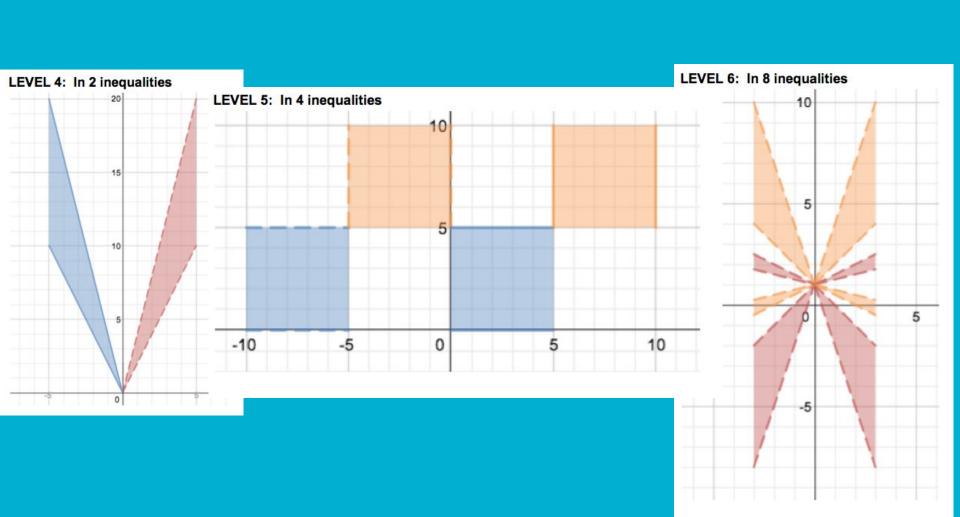
Students must recreate a given picture

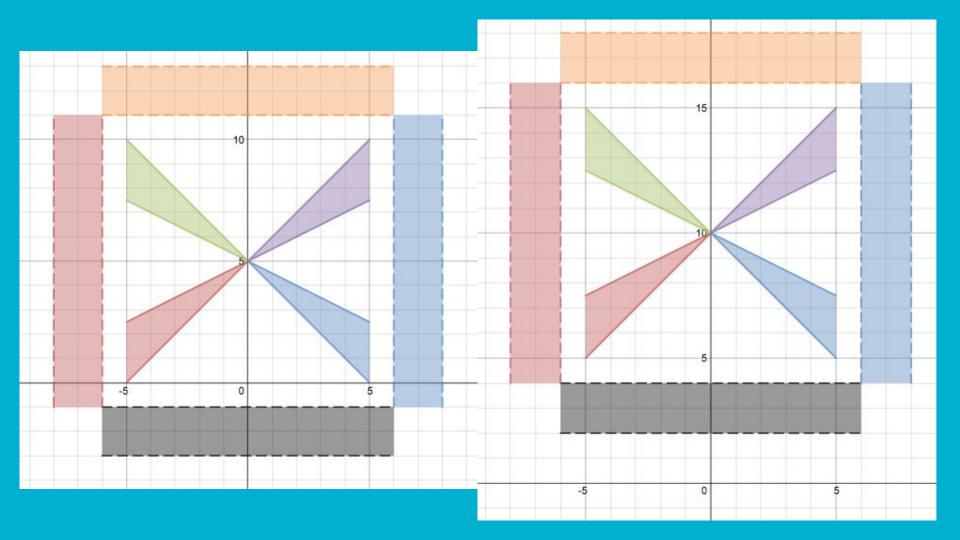
This was 20% of the unit test grade.

The other 80% was assessed with a standard paper and pencil test.

Practice Day - Achieve a "level"







Algebra 1 Desmos Inequality TEST submission

Your username (sremphrey@ucfsd.net) will be recorded when you submit this form. Not sremphrey? Sign out Period 1

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	risty	Р
Class period	e ^f	P
Period 1	JP	P
Period 2	Ryan	Р

Period 3

Version A

@ B @ C 9 D

Link to final Desmos graph Make sure to do a save again on your final one! Period 2 Period 3 eriod 3 Period 2

carus

thew

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ara

Period 1 Period 2 Period 3

Period 2

Period 1

Period 2 Period 2 Period 1

Period 3 Period 3

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Send me a copy of my responses. Submit

Name (Last, First)

Why we feel that using Desmos promotes a deeper understanding and more fun

Evaluation

http://bit.ly/1R13yuE



Stacy Remphrey sremphrey@ucfsd.net @StacyRMath Glen Lewis glewis@ucfsd.net @MrLewis Math