

**KANSAS**  
*Teacher  
of the Year*



# Teaching to Infinity and Beyond

*University of Kansas*

Monday, February 11, 2013

<http://2013ktoy.weebly.com>

#2013KTOY



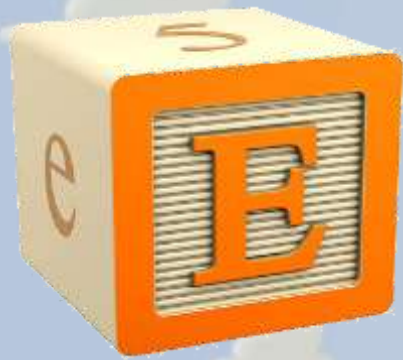


# Ramie Allison

Nelson Elementary School  
Haysville USD 261

- + Striving to keep physical education new, fresh, and exciting for students!
- + "It 's inspiring to see my students growing into healthy, happy, confident individuals, and to know that I have made a difference in their lives by teaching them lifelong skills."





# ENGAGE

- + Engage students in your class!
- + Movement
- + Cooperation
- + Team Building
- + Problem Solving
- + Social Interaction
- + Review







# Scott Keltner

Eudora High School  
Eudora USD 491

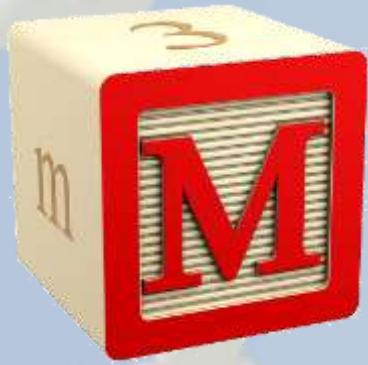
Math is osum  
from: Mr. Keltner



## osum

The true spelling (internet spelling) for the word awesome. If you spell it like "osum" screw what everyone else says, you are awesome.

 Urban Dictionary @urbandictionary



# MOTIVATE



- + Relate to students and their interests
- + Advocate responsible use of technology
- + Let them DO something
- + Utilize their curiosity—make *THEM* ask the questions
- + Leave them wanting to know more
  - + So they won't want to miss your class



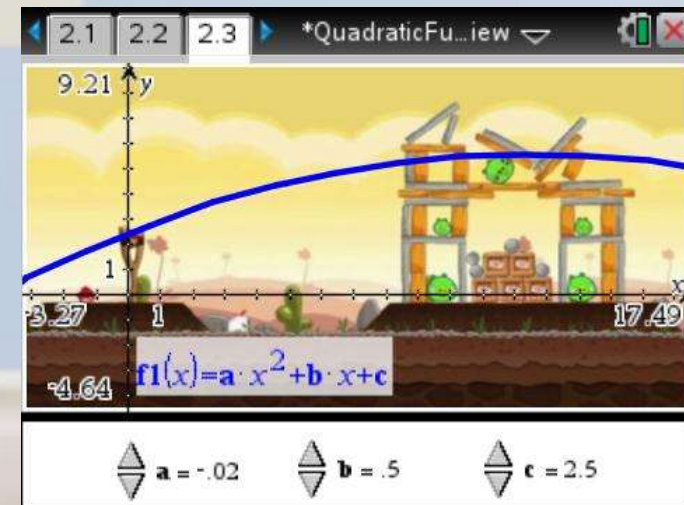
# Relate to students and *their* interests



- + High school & College prep classes—no interest in NASCAR
- + Day 1 of student teaching—Start your engine?
- + Year 2 of classroom teaching—enter [Chase Austin](#)
- + Not every race can be driven the same way

# Advocate *responsible* use of technology

- + Technology is enticing, but with due diligence
  - + Don't be [THAT guy](#)
- + [PollEverywhere.com](#)
- + [Google Apps for Education](#) (GAFE)
- + [Mobile devices](#) (check district policies)
- + [QR \(Quick-Response\) Codes](#)
- + Grant programs (or [DonorsChoose.org](#) even)
- + Blogging & other Social Media (including [101qs.com](#), [EdModo](#), & [EdWeb.net](#))
  - + My "Good for Nothing Blog" is at [scottkeltner.weebly.com](#)





# Let them *DO* something—BIG



- + Local news coverage: <http://j.mp/ch6penniesvid>
  - + Decent publicity for our district
- + Aerial photos: <http://j.mp/pidaypennies>
  - + 500,000+ views on Reddit by 10 a.m. the next day
- + *101qs.com* fame! <http://www.101qs.com/230>
- + Time-lapse video: <http://j.mp/penniестimelapse>



# Utilize their curiosity— make *THEM* ask the questions

## Textbook Question

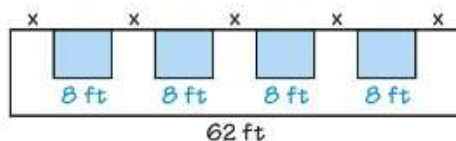


### EXAMPLE 3 Draw a diagram

**BANNERS** You are hanging four championship banners on a wall in your school's gym. The banners are 8 feet wide. The wall is 62 feet long. There should be an equal amount of space between the ends of the wall and the banners, and between each pair of banners. How far apart should the banners be placed?

#### Solution

Begin by drawing and labeling a diagram, as shown below.



From the diagram, you can write and solve an equation to find  $x$ .

$$x + 8 + x + 8 + x + 8 + x + 8 + x = 62 \quad \text{Write equation.}$$

## Photograph—no text

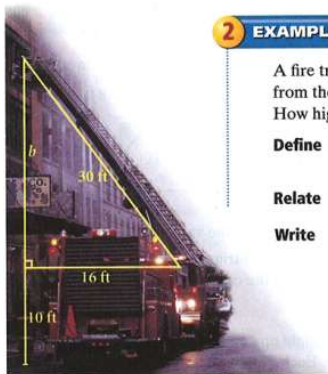


[scottkeltner.weebly.com](http://scottkeltner.weebly.com)

# Utilize their curiosity— make *THEM* ask the questions

## Textbook Question

## Video—no prompts



### 2 EXAMPLE Application

A fire truck parks beside a building such that the base of the ladder is 16 ft from the building. The fire truck extends its ladder 30 ft as shown at the left. How high is the top of the ladder above the ground?

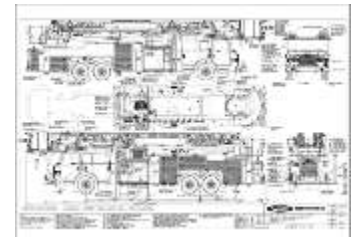
**Define** Let  $b$  = height (in feet) of the ladder from a point 10 ft above the ground.

**Relate** The triangle formed is a right triangle. Use the Pythagorean Theorem.

**Write**

$a^2 + b^2 = c^2$	
$16^2 + b^2 = 30^2$	Substitute.
$256 + b^2 = 900$	Simplify.
$b^2 = 644$	Subtract 256 from each side.
$\sqrt{b^2} = \sqrt{644}$	Find the principal square root of each side.
$b \approx 25.4$	Use a calculator and round to the nearest tenth.

The height to the top of the ladder is 10 feet higher than 25.4 ft, so it is about 35.4 ft from the ground.



+ Provide only what they request

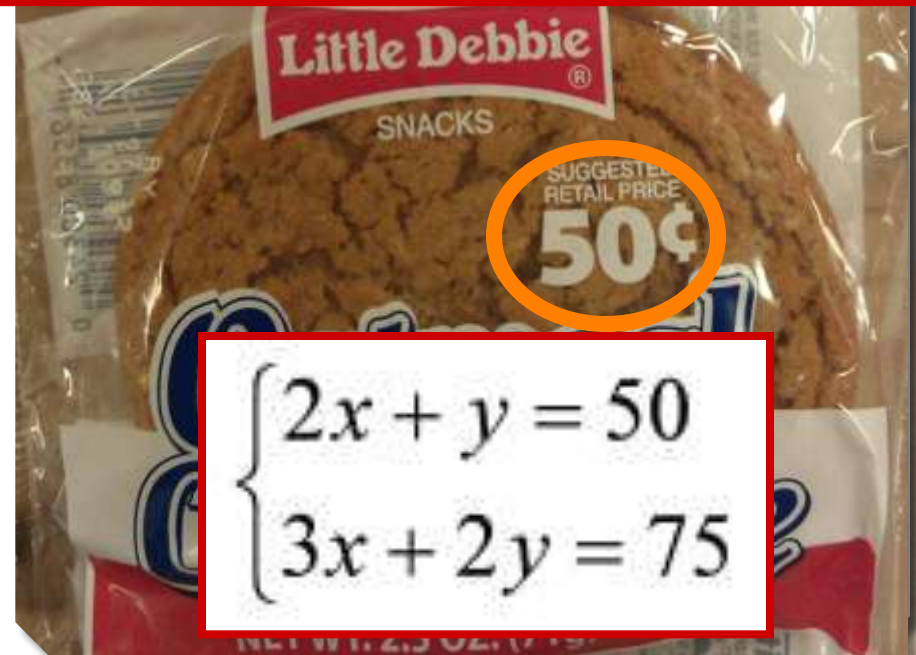
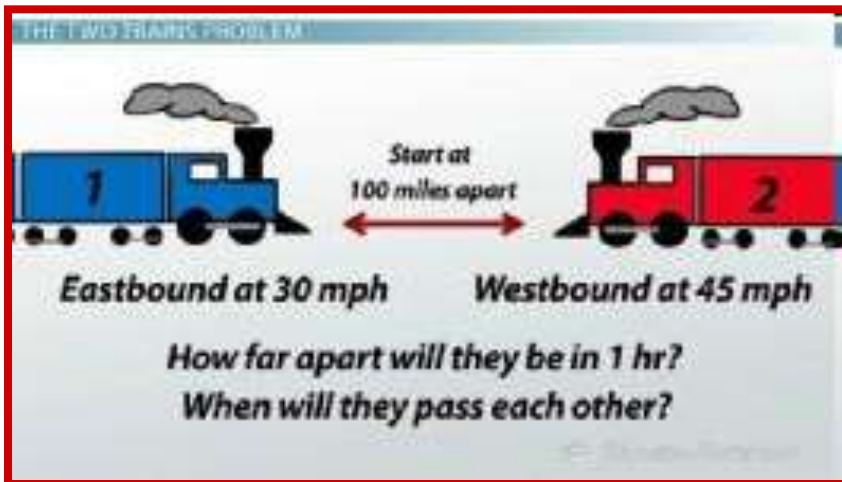
+ Because CCSS says so

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# Tasty Topic

- + I created [\*a blog post\*](#) for this example of *systems of equations* in Algebra.
- + Compare it with the “old school” version below.
- + Which will have more student engagement?



# Leave them wanting to know more

- + There are (very few) dumb questions
  - + What's the "final descent" into an airport look like, when a pilot mentions it?
  - + Are BB-COR baseball bats really that much safer than before?
  - + How fast/high/long did that *Red Bull Stratos* guy, Felix Baumgartner, jump from?
  - + How do bar codes work? ISBNs?
  - + I saw a Pizza Hut box that said it saved tons of cardboard each year. How?
- + Try [www.101qs.com](http://www.101qs.com) for more examples.





# Judy Domke

Stanley Elementary School

Blue Valley USD 229

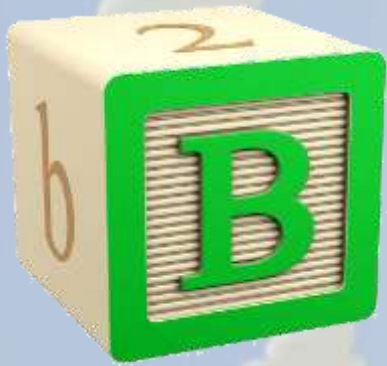
Overland Park



**My personal feelings, beliefs and teaching styles are based upon strong personal relationships with my students and their families.**

**This is demonstrated in my Inter Related Resource Classroom every day.**

**Teaching is incredibly rewarding!**



# BUILDING RELATIONSHIPS

- + Trust
- + Respect
- + Rapport
- + Confidence
- + Celebrate
- + Personal Connections
- + Students, Colleagues, Administrators

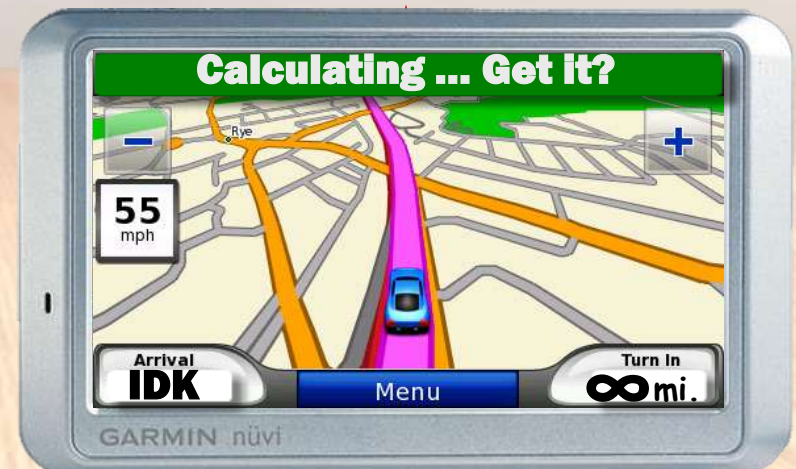


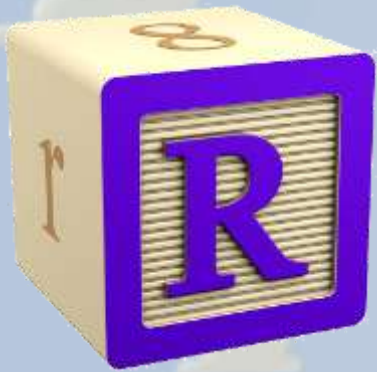




# Sue Commons

Baxter Springs High School  
Baxter Springs USD 508



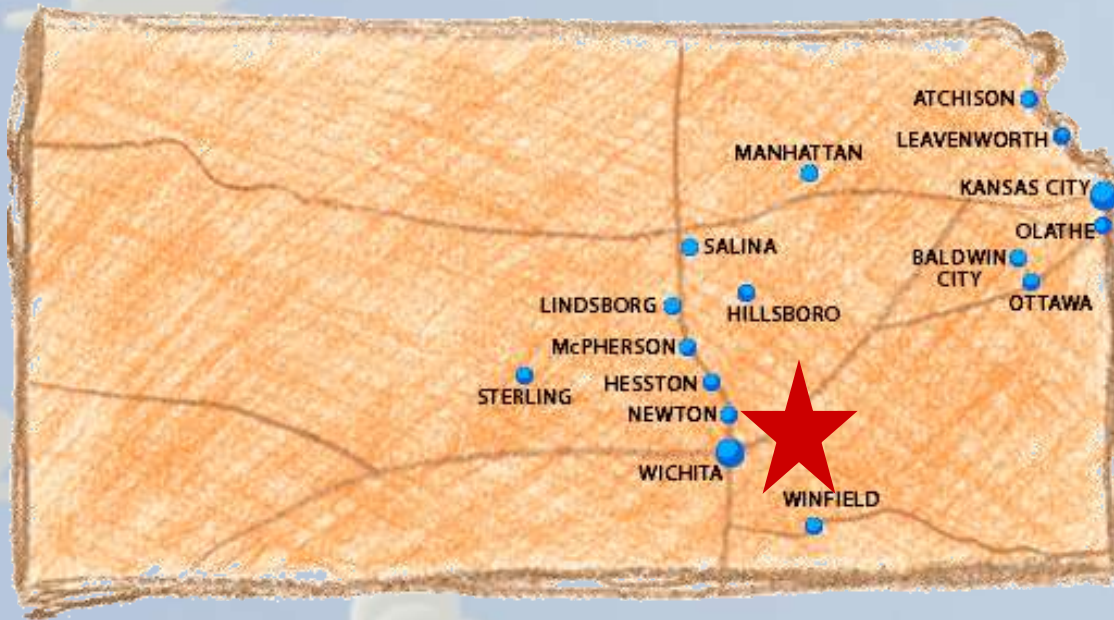


# REFLECTION

- Translations
- Rotations
- Reflections







# Dyane Smokorowski

Andover Middle School  
Andover USD 385



Developing a personal connection with the learning is based on curiosity, creativity, and collaboration.



# ACCESS

- + Student Curiosity
- + Personal Network
- + Local and Global Partners
- + 7 Habits of Highly Effective Teachers Who Use Technology





<http://j.mp/learrgh>



# Hines Ward

McKee students  
are listening to  
Hines Ward  
answer questions.






# Laura Moyers

Anthony Elementary School  
Leavenworth USD 453



**Educate the mind,  
invigorate the body and  
expand the heart.**





# CREATE

+ Confidence via  
Laughter

+ Attention-  
getters

+ Cooperation





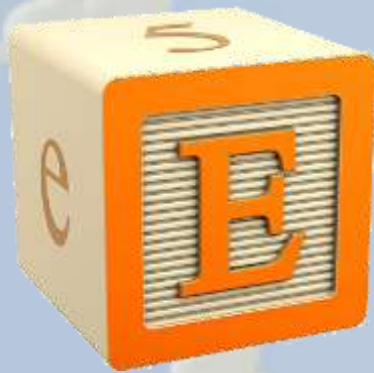


# Colleen Mitchell

Walnut Elementary School  
Emporia USD 253



Re-imagining the core content and continuing to refresh best practices while actively collaborating with peers is essential to teacher effectiveness and student learning.



# EDUCATE

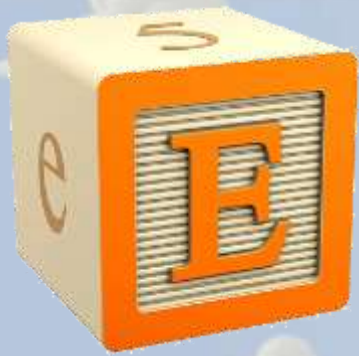


**+ Powerful  
Learning  
Environments**



**+ Re-imagine  
the Classroom**





# EDUCATE

+ Critical Connections

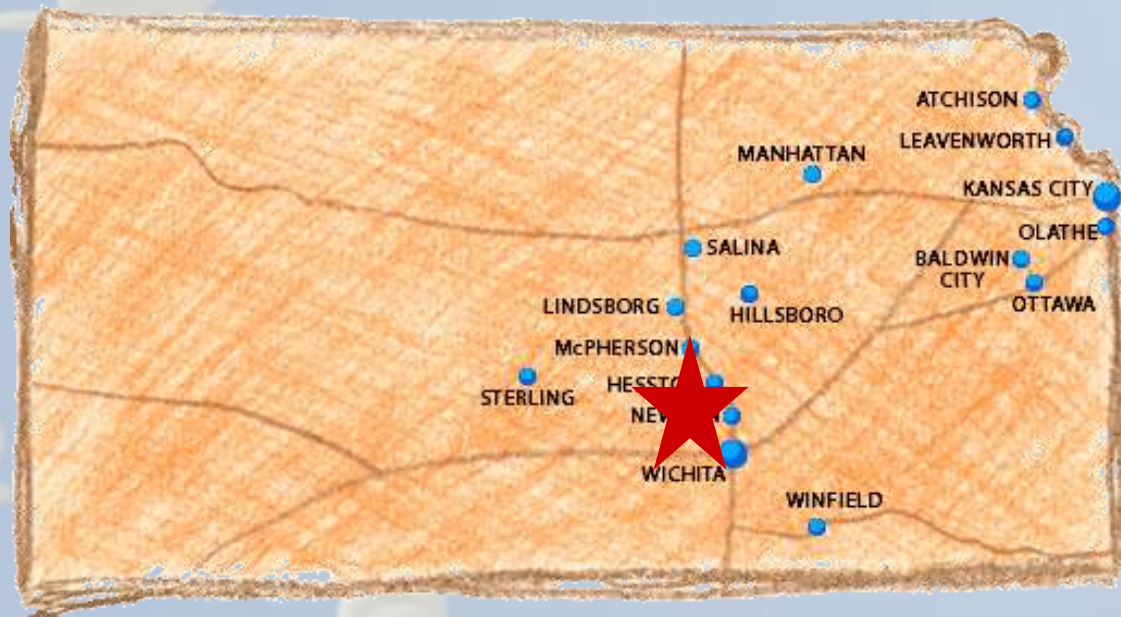
+ <http://colorincolorado.org/>



+ Build Bridges,  
Reduce Barriers







# Sarah Berblinger

Prairie Hills Middle School

Buhler USD 313



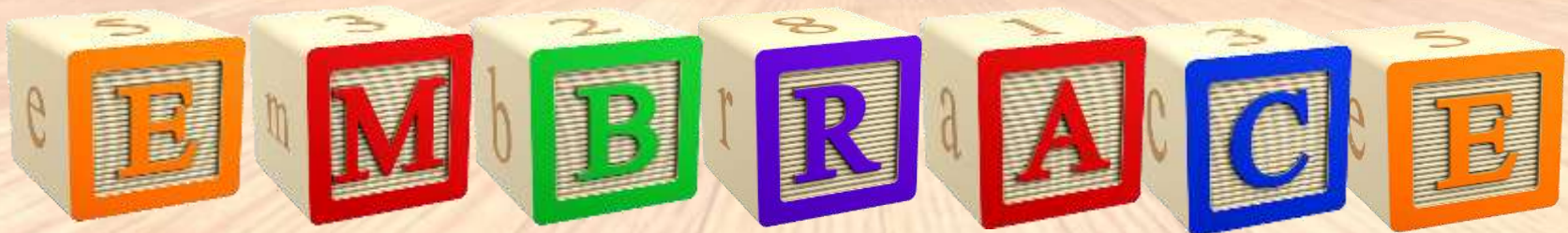


# SYNERGIZE

+ Synergize

+ Synthesize

+ "Stupid Stuff Sticks"







# Our Song

+ You sit and wonder about your future  
You try to imagine the world to be  
You long for purpose and fulfillment  
To find your passion and share your dreams  
So write your story  
And share your talents  
Teach our children and change the world  
Embracing knowledge to touch the future  
Hit the bullseye and saddle up!  
[Ooohhhh...Aaahhh]

+ It's okay to be quite hammy  
"Jessie" what you can do  
Woody, take a chance, engage your senses  
Just watch out, don't get the flu  
So write your story  
And share your talents  
Teach our children and change the world  
Embracing knowledge to touch the future  
Hit the bullseye and saddle up!  
To infinity and beyond

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