



CHEETAH CHATTER

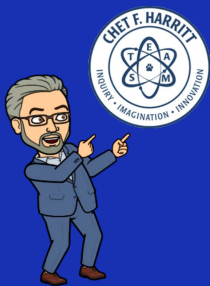
Chet F. Harritt STEAM School Principal's Newsletter



September 16, 2022

Volume II

Issue 5



Ted Hooks, Principal

TALKING SCIENCE: THE **S** IN **STEAM**

Getting back to our STEAM School roots is a goal on campus this year. As you know, STEAM stands for Science, Technology, Engineering, Art, and Mathematics. At Chet, we strive to weave these strands purposefully into our instructional routines.

Today I wanted to talk about a key component in our deeper understanding of Science concepts called "Crosscutting Concepts." These concepts are a key component of the Next Generation Science Standards (NGSS).

NGSS Crosscutting Concepts are the big ideas that crossover between science and all others area of study. They are identified as

Patterns
Cause and Effect
Scale, Proportion, and Quantity
Systems and System Models
Energy and Matter
Structure and Function
Stability and Change

The crosscutting concepts let us view the world as a scientist might. For example, we can recognize Cause and Effect in science when looking at using heat (cause) to make water boil (effect.) We can also see Cause and Effect in literature, history, mathematics, art, and more! The actions of a character in a story may cause something to happen. The migration of people may cause things to occur. These crosscutting concepts allow us to make remarkable connections in our learning.

Right now, teachers are working to bring these concepts to life for children to expand their understanding in all areas of STEAM and beyond. You can, too. Keep your eyes on the world around you, and point out to your child what connections you notice. When you are cooking, you can talk about scale, proportion, and quantity when looking at ingredients in a recipe. When you are traveling through the neighborhood, you can notice patterns in everything from street signs to house and apartment numbers to leaves on trees.

The world is a wonderful, interconnected place. Thinking like a scientist and making these kinds of connections helps us feel more a part of it! This is what great STEAM learners do.

Sincerely,
Ted Hooks

Crosscutting Concepts

- 1 Patterns
- 2 Cause and effect
- 3 Scale, proportion, and quantity
- 4 Systems and system models
- 5 Energy and matter
- 6 Structure and function
- 7 Stability and change

image courtesy of [The California Academy of Sciences](#)

PTA MEMBERSHIP GIFT BASKET WINNERS

If you signed up for a PTA membership by September 7, your name was entered in a drawing to receive a basket full of school supplies.

Congratulations to **Natalie Rascon** and **Maddison Shannon** for having their names drawn today! If you are interested, a video of the drawing was posted on our social media accounts on Instagram and facebook.

Our winners can pick up their baskets at the main office!

PTA is hoping for at least 300 memberships this year, and we are currently at 145. It's great that we are almost halfway to our goal. Be watching for more reasons to join PTA over the next few weeks!



BOON SUPPLY FUNDRAISER GRADES 4-8 ENDS TODAY!

Just a reminder that today, Friday, September 16, is the last day of



our Boon Supply Fundraiser. We hope that our fourth through eighth grade families took advantage of this opportunity!

UPCOMING EVENTS)

September 16	Boon Supply Fundraiser Ends (grades 4-8)
September 27-28	School Pictures
October 12	Picture Make-up Day
October 19	Science Family STEAM Night (5:00pm)
October 24-28	Red Ribbon Week
	Sixth Grade Camp Week



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Cheetah Chatter Archives



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