

J U N E 2 0 1 1

HPCA MATH CAMP

THE HARDEST ARITHMETIC TO MASTER IS THAT WHICH ENABLES US TO COUNT OUR BLESSINGS. ~ERIC HOFFER, REFLECTIONS ON THE HUMAN CONDITION

✧ Building Bridges ✧

Students were challenged to design and create a bridge made from plastic straws. The bridge had to span at least 30 cm and be made from 30 - 40 flexible straws. Bridges were then tested to see which bridge could support the most weight. The winner was Peyton!

IF PEOPLE DO NOT BELIEVE THAT MATHEMATICS IS SIMPLE, IT IS ONLY BECAUSE THEY DO NOT REALIZE HOW COMPLICATED LIFE IS. ~JOHN LOUIS VON NEUMANN

Categories for Straw Bridges:

Most Supportive:
Peyton Labiak,
Harrison Strag, & Dave Jarrell

Best Design:
Kyla Smith



Most Diligent in Completing:
Emily Waite

Most Stable:
Courtland Starr

Biggest Surprise: Rosa Steagall



Lego Structures

Each camper had to construct a rocket from Legos that was less than 12" tall with a minimum height of 5". Each rocket had to have a value between 75.00-100.00. The colors of the blocks determined the value of the rockets.



Snack Time

Who would have ever thought that making your own snack would involve math??

Monday we made "No Bake Chocolate Cookies". Then on Tuesday we created circle graphs from sugar cookies using icing, crushed Oreos, M & Ms, and Reece Pieces. On Wednesday, we tested different mixtures of sodas in the

"Pleased as Punch" activity. The recipes for these snacks are included in this letter.



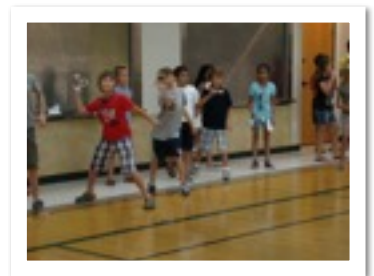


We love math!!

Students were given instructions to make two styles of airplanes. One design was the Circular Plane and the other a paper airplane.

The longest distances for the Circular Plane:
Alex - 35'8"
Kyla - 32'4"
Brad - 28'4" and
Sawyer - 26'1".

The longest distances for the paper airplane:
Dave J. 19'0"
Courtland - 18'10"
Alex 18'4" and
Emily 17'5".



NUMBER SENSE

ALGEBRA

GEOMETRY

MEASUREMENT

PROBABILITY & STATISTICS

Area & Volume

Students solved problems of area and volume using Cuisinaire Rods.



Estimation

Students used metric measurements to estimate the mass, length, and volume in real world situations.



Integers

We practiced adding and subtracting positive and negative numbers by walking the number line.



Puzzles

Each day campers had to opportunity to challenge themselves with Snapfooz, Soma Cubes, toothpick teasers, and many more.





We are glad you came!

Thank you for joining us this week for fun-filled activities that make math exciting, challenging, and interesting. It has been a pleasure to serve your child in this capacity (math word- haha). There have been many positive comments from the

students about Math Camp. There are so many ways to practice and learn math. Keep reviewing during the remainder (math word - haha) of your summer vacation. See you in August -

Mr. Seamon and Mrs. Fowler

STUDENT QUOTES

ETHAN
“Why didn’t we do this in math class?”

HARRISON
“Can’t we just hold our bridge up while we test it?”

Unknown
“I didn’t know that we were doing math.”



NO BAKE CHOCOLATE COOKIES

2 c. sugar 1 c. butter
1/2 c. milk 4 T cocoa
Bring these 4 ingredients to a boil for 1 minute. Then stir in



the following: 1 tsp. vanilla, 3 c. quick oats, & 3/4 c. chocolate chips. Drop onto wax paper and let cool!!



DESSERT PIZZA COOKIES

Use pre-made sugar cookie dough to bake either one large pizza/ sugar cookie or individual cookies. Top with store bought icing, mini M&Ms, mini Reese

Pieces, crushed Oreos, or anything that you like.

PLEASING PUNCH

Mix to your taste: Pink Lemonade, Sprite (or any Lemon-Lime soda), and Raspberry or Cherry flavored soda. Enjoy!





Metric Estimation Masterminds:
1st Place Sawyer & 2nd Place Peyton



Abby
"Math goes all the way back to the beginning of creation."

SNAPSHOTS OF MINDS AT WORK



All the photos in this newsletter plus more are loaded on Snapfish.com. You will receive an email so that you may purchase them.