

School Wide S.T.E.M. Dress-Up



MONDAY – STEM Career Day...Dress up as your desired or favorite future career.

TUESDAY – Albert Einstein Crazy Hair Day...Wear crazy hair.

WEDNESDAY – Math All Around Us Day...Wear something math related, such as numbers, patterns, shapes, etc.

THURSDAY – Scientist or Science Day...Dress up as a scientist or wear something science related.

FRIDAY – School Spirit Day...Wear your PVE Spirit Wear

Kindergarten

S.T.E.M. schedule

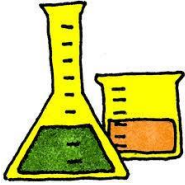


*** Sink or Float:** Students will follow the steps of the scientific method to determine if objects sink or float. We will talk about what scientist do. We will all be scientist this week and will do an experiment of sinking and floating.

What will happen if we put these objects in the water. Will they sink or will they float? Each class will decided what items we want to test. (ex. block, scissors, pencil, rock, eraser, pop cube, penny, marble, pencil case, candy bars, apples, oranges).

We will then make our hypothesis and test out our objects.

1st grade S.T.E.M. schedule



***Tallest Tower:** Students will build the tallest skyscraper/tower possible using spaghetti noodles and marshmallows. The tower must stand for a certain amount of time without falling over. (Bartels)

***Rocks/Minerals:** Students will be scientist and study different rocks and minerals.
(McEwen)

***Little Red Hen STEM Activities:** Students will be using Science, Technology, Engineering and Math skills centered around the story Little Red Hen.
(Hasse)

***Dancing Raisins:** Students will be Scientists and discover how different sodas effect raisins.
(McDaniels)

***Simple Machines:** Students become engineers and investigate how simple machines work.
(Higgins)

2nd grade S.T.E.M. schedule



***Pop Can Races-** Students will explore static electricity by racing their soda can across the room with the help of a balloon. (Hopkins)

***Become an Engineer:** Students will build the tallest skyscraper possible using spaghetti noodles, tape, and string. The tower must support a marshmallow.

(Rankey)

***Aluminum Foil Boat:** Students will design and build an aluminum foil boat. They will investigate how many pennies their boat can hold before sinking.

(Steinhoff)

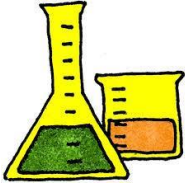
***Light the Bulb:** Students will be given supplies to make a circuit which will make a light bulb glow.

(Turnipseed)

***Pipe Cleaner Towers-** Students will get ready for some tower building fun! Students will work together to see which group can build the biggest tower! It has to be free-standing and has to be taller than it is wide.

(Besowshek)

3rd grade S.T.E.M. schedule



***Cup Pyramid:** Students will explore engineering by building a pyramid out of cups without touching the cups directly with their hands.

(Pitchford)

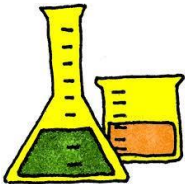
***Tallest Tower:** Students will build the tallest skyscraper/tower possible using spaghetti noodles and marshmallows. The tower must stand for a certain amount of time without falling over. (Ruff)

***Mystery Man:** Students will use coffee filters, water, and markers to figure out whose pen was used to write a mystery note. (Strobbe)

***Straw Boat:** Students will be given 10 straws, 10 inches of plastic wrap, and a 3 inch strip of duct tape to make a boat that can hold 25 pennies without sinking.

(Schomber)

4th grade S.T.E.M. Week

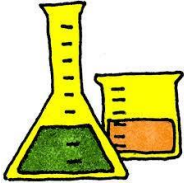


College and Career Ready with STEM!

The 4th grade students will be surveying the Prairie View staff about what COLLEGE they attended. Students will use technology to take pictures of the staff members (wearing their ALMA MATER) and then create a large bar graph displaying our results.

In each individual classroom, we will survey our classmates about what career each student wants to be! We will then display our results and signify which careers use STEM (Science, Technology, Engineering or Mathematics). I think we will all be surprised how many really do! ;)

5th Grade Steam Week



S: Ibos- Simple Machines

Given six different simple machines, students will build a Rube Goldberg machine to pop a balloon.

T: Bearden - Bloxels and Hour of Code.

E: Walter- **Aluminum Foil Boats.**

Given a set amount of aluminum foil to each group(s) they must design and build a foil boat to hold as many pennies as possible before it sinks. They will need to predict how many pennies their boat will hold before they think it sinks!

<http://www.usafa.edu/df/dfe/dfer/centers/stem/docs/AluminumFoilBoats.pdf>

A: Griffin - Mini Kaleidoscopes

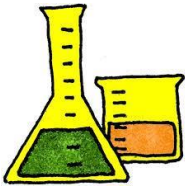
M: Bushway - “Create a Lemonade Stand”- Start a lemonade stand and identify operating costs associated with running a business.

Making Music during STEM Week!



- Kindergarten and first grade students will listen and move with *The Planets Suite* by Gustav Holst in addition performing to other space-themed songs.
- Second and third grade students will experiment with how vibrating strings create sounds.
- Fourth and fifth grade students will begin a unit on the recorder (sorry, parents!) as we learn about how the size of an instrument as well as how we play it affects the timbre, or sound quality.

Computer Class S.T.E.M. Week



Deconstruction station- where the kids take apart technology and see if they can label what the parts are and what they do.

Makey Makey station - use Makey Makey and program it to do a task or control something

Contraption Station - kids make a grabber arm

Chain Reaction - build a quintopple, dominos with trigger, and Seesaw and ramp

Osmo - Students play OSMO and choose one of the apps and play the games

Ozobots - Student create a command page and see if they can draw a path for the Ozobots to follow successfully

Circuit Madness - Can they make a working flash light?