

K-PS3-2: Use tools and materials to design and build a structure that will warming effect of sunlight on an area.		Use tools and materials to design and build a structure that will reduce the effect of sunlight on an area.
	Tech	Kinder students are using a variety of 3D shapes in Pixie Software to
		build their own shade structures.
	Science	Students determine the effect of sunlight on different earth surfaces by
		observing relative temperatures.

1**	<u><b>1-PS4-2</b></u> : be seen	Make observations to construct an evidence-based account that objects can only when illuminated.	
grade	<u>1-PS4-3</u> : made wit	Plan and conduct an investigation to determine the effect of placing objects the different materials in the path of a beam of light.	
	<u>1-PS4-4</u> :	Use tools and materials to design and build a device that uses light or sound	
	to solve the problem of communicating over a distance.		
	Art	"Stained Glass" landscape, using tissue paper and acetate to show	
		transparent, translucent, and opaque.	
	Music	Continue reading melody notation. Review Middle C is Special. Learn the	
		pitch D. Identify the difference between the pitches C and D. Play D	
		boomwhacker and understand the relationship between pitch and size.	
		Learn the song <i>D</i> is in a Space.	

2 <sup>nd</sup> grade	<ul> <li><u>2-ESS2-2</u>: Develop a model to represent the shapes and kinds of land and bodies of water in an area.</li> <li><u>2-ESS2-3</u>: Obtain information to identify where water is found on Earth and that it can be solid or liquid.</li> </ul>		
2	Art	Continue Clay Cliffs and make crayon drawing of the cliffs.	
	Music	Learn song <i>Erosion.</i> Continue boomwhacker studies. Review (pitches C, D, E). Learn <i>Lime Green Marchin' Machine</i> (pitch F). Add movement while playing boomwhackers.	

3 <sup>rd</sup> grade	<b><u>3-PS2-3</u></b> : Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.		
	Tech	Students developed their understanding of events by making a sports-	
		according to arrow keys, and make noises when objects collide.	
	Science	Students investigate magnetism using magnets and a variety of	
		materials to determine cause and effect relationships.	

	4-PS3-3:	Ask questions and predict outcomes about the changes in energy that occur	
4 <sup>th</sup> grade	when objects collide.		
	Art	Finish up assembly of "Art In Motion" Kinetic Sculpture, in support of	
		students learn about force and motion.	
	Music	Continue Recorder Karate. Review the notes B, A, G. Finish testing for	
		white belts Hot Cross Buns. Learn Gently Sleep and how to use breath	
		marks. Test for yellow belts Gently Sleep.	

<b>eth</b>	5-ESS2-1	Develop a model using an example to describe ways the geosphere,
5	biosphere	, hydrosphere and/or atmosphere interact.
grade	Tech	Students download their animations as a GIF to show the results of their
		"Lifesaver Lab"
	Science	Students complete their rain shadow model analysis by comparing
		maps of rainfall, elevation, and vegetation type.

6 <sup>th</sup> grade	MS-PS3- energy of	<b><u>MS-PS3-5</u></b> : Construct, use and present arguments to support claim that when the kinetic energy of an object changes, energy is transferred to or from the object.		
	Tech	Students will use WeVideo and the Chroma Key/Green Screen feature		
		to create cell media projects. They will include raps they created in		
		music to describe the function of a plant or animal cell		
	Science	Students will design and carry out experiments using ice and water to		
		understand the relationships between mass and energy transfer by		
		observing change in temperature.		

## STEAN+ in the Library

Kinder	Kinders will be visiting the Pumpkin Patch!!		
1 <sup>st</sup> grade	"Muncha! Muncha! Muncha!" mini-DT: Students will continue prototyping		
	their security system for Mr. Greely's garden. K-2-ETS-1, K-2-ETS-2,		
	K-2-ETS-3		
2 <sup>nd</sup> grade	"Hurricanes" mini-DT: Students will begin prototyping 1) a temporary		
	shelter for a family seeking refuge from a Hurricane/Flood or 2) Survival		
	Kit for a family who must shelter in place during a Hurricane/Flood.		
	K-2-ETS-1, K-2-ETS-2, K-2-ETS-3		
3 <sup>rd</sup> and 4 <sup>th</sup> grades are getting ready for Halloween			
3 <sup>rd</sup> grade	We will read "Aaaarrgghh Spider!" by Lydia Monks. Students will then use		
	toothpicks and marshmallows to create a spider web with certain		
	specifications and constraints.		
4 <sup>th</sup> grade	We will read "The Marshmallow Incident" by Judi Barrett. Students will		
	then build a Candy Corn Catapult.		

## "Last Week in Awesome" Highlights Highlights!

## STEAM- in Science



In the "Potions" elective, students make "lava" lamps based on differences in density.



5th grade students experiment to determine that mass does not change in a chemical reaction.



5th grade students observe signs of a chemical reaction.

5<sup>th</sup> grade students model interactions between the geosphere, hydrosphere, atmosphere, and biosphere that occur in a rain shadow.





Kinder students engineered shade structures with the materials given that would fit at least one student.



Kinder students compare temperatures in the shade structures to temperatures outside the shade structures.

## STEANH in Technology



Kinder students use Pixie Software to practice building shade structures with a variety of shapes.



Students practiced debugging in the "collector" environment on <u>code.org</u> Students will get to practice reading and editing code to fix puzzles with simple algorithms, loops and nested loops.



Students use Piskel software to create an animation based on an investigation of dissolving that they completed in the science lab.

DON'T FORGET TO CHECK OUT MORE AMAZING LEARNING ACTIVITIES IN OUR "STEAM+ VIDEOS ON DEMAND"!!

STEANH in Art



1<sup>st</sup> grade students exposing cyanotype prints.





2<sup>nd</sup> grade creating clay cliffs with erosion, inspired by Torrey Pines.





4<sup>th</sup> graders finishing assembly of their Artin-Motion kinetic sculptures





Kinders were making their "Room on the Broom" puppets.

> 3<sup>rd</sup> and 4<sup>th</sup> grade completed their Card Towers.

