

Energizing Minds
Monday

Tech
Tuesday

Real-World
Wednesday

Thoughtful
Thursday

Four C's Friday

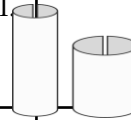
Go outside to make a life-size chalk drawing of a blue whale in yards and meters. Compare and contrast the Blue Whale to things in the neighborhood and express in percentages. When did whales first appear on earth and where do they live?



Grab a notebook and pen. Tour your home and record places where energy changes forms. Which appliance involves the most changes in energy?



Using tools and materials approved by your parents or guardian, repurpose plastic items you would otherwise throw away or recycle into something useful or beautiful.



Roll a piece of computer paper into a cylinder lengthwise and then widthwise. If you filled the cylinders up with dried rice which one would hold more. Design an experiment to find out.

Go on a nature walk. Gather seeds, pods and leaves. You may also use dried beans, rice, or other nuts and seeds. Using the materials you gathered, collaborate with your family members to create a greeting card which communicates a message.

Find a plastic hanger where you live. Rub it with a wool sweater or scarf vigorously. Turn on a faucet so that it is letting out the smallest continuous stream. Hold the hanger as close to the flowing water as possible. Explain what you see.



Go into the yard and record a bird or squirrel or your cat or dog moving with a handheld device. Watch the recording in slow motion. Make an inference as to what the behavior means.



***Adult Supervision required.**

Add chopped fruit or vegetable to a small saucepan and cover with water. Place over medium heat and bring to a simmer for one hour. Pour the liquid into a glass container. Dip white cloth into the liquid. You dyed cloth!



Time how long it takes to zip up your zipper, tie your shoes, open a doorknob put on your clothes and brush your teeth. Now tape your thumb to the palm of your hand. Time yourself again. Which animals have opposable thumbs and which do not?



Gather several paper or plastic cups, straws and tape. Collaborate with a family member to create an irrigation system that transports water from one central container to as many other containers as possible without spilling.

Put 1 cup of cornstarch in a bowl and add 1-2 drops of food coloring (optional). b. Slowly add up to 3/4 cup water while mixing, until all the cornstarch is wet. Keep adding water until the oobleck feels like a liquid when mixed slowly. You made oobleck! Play with it. Is it a liquid or a solid and why?



Go outside and take pictures of as many different geometric shapes as possible! How many types can you find? Photograph flower parts. How many petals does each flower have?



Engineers create things to solve problems. Look around your home. Find a product or process that could be improved. Draw a new design and if you can, build it and try it out.



Float a paper clip on top of a glass of water by first placing it on a small piece of tissue and placing it on top of the water. (It can be done!) Once it floats drop a single drop of dish soap in the glass. What do you observe and why did it happen?



Draw a device that would feed one of your pets automatically. Talk with family members about what technology and materials you might need to create this device.



Go out into your yard. Place a plastic Ziplock bag over living leaves. What do you predict will happen? Go back and observe the bag every 2 hours. Explain what you observe.



Use images you have previously taken to create a digital collage that represents a science of math or social studies concept.

Locate the electric meter in your home. Write down what it reads and the time. Go back four hours later. How much electricity did your home use over what period of time?

Drop a baseball on the floor and measure how high it bounces. Now place a baseball on top of a basketball and drop both, What did you observe and why did it happen?

With family members collaborate with to create new rules for a game that you usually play. As you go along solve problems by reaching agreements on the solutions.

Energizing Minds Monday	Tech Tuesday	Real-World Wednesday	Thoughtful Thursday	Four C's Friday
<ul style="list-style-type: none"> Sid the Science Kid: The Whale Episode Whale of a tale Exploration Why is the Blue Whale so Big Video Water Ecosystems Exploration Multiplication Strategies Exploration Math Problem Solving Strategies Channel 	<ul style="list-style-type: none"> Changing the form of energy Exploration Energy Channel Science Kids: All About Energy Video What happens to energy when we use it text Energy Types and Transformations Forms of energy channel 	 <ul style="list-style-type: none"> Straws Documentary Repurposing Plastic STEM Card Bird Feeder Idea Three truths and one lie SOS strategy The Plastic Produced in 65 Years Earth's Resources Exploration 	 <ul style="list-style-type: none"> How to Measure Volume Videos Volume Skill Builder Properties and States of Matter Channel Units of Measurement Channel Calculating Volume Video Three Dimensional Shapes Video 	<ul style="list-style-type: none"> Seeds and Socks Video Real World Science: Seeds and Plants Video Getting to know Plants Interactive Art and Artists Channel Plant Life Cycles Sunflower Lifecycle
<ul style="list-style-type: none"> Charged Objects Video Great Can Balloon Race Video Static Electricity Exploration Electric Current Exploration About Electricity Exploration How do Charged object interact with other objects interactive text 	<ul style="list-style-type: none"> Animals Channel Animal Behavior Animal Cam Animal Behavior ABC Spotlight on Strategies Hands-on Activity:Neighborhood Habitat 	<ul style="list-style-type: none"> What are clothes made of video Art and Artists Channel Woman with Purple Dye Pigments animation Elaborate with STEM Ink Activity Exploring Where Colors come from 	 <ul style="list-style-type: none"> Anatomy animation Thumb Race Video Thumb image Science Kids: All about the Human Skeleton and Muscular Systems 	<ul style="list-style-type: none"> Water Wise Farms Natural Resources Irrigation Video MLB Global Sustainability Challenge
 <ul style="list-style-type: none"> Hands-on Activity:What is Oobleck? Dancing Oobleck Video Mixtures: Exploring Oobleck video Properties and States of Matter Channel 	<ul style="list-style-type: none"> Patterns and sequences channel Math Connection: Shapes in Nature Patterns in nature channel What shapes are found on Earth's surface core ir text 	<ul style="list-style-type: none"> How do engineers choose materials? Structural Engineer animation Engineering Design Process Video Engineering Lag: Tote and Sit Virtual Lab Engineering Lab: Material Tool Vvirtuaal Lab 	 <ul style="list-style-type: none"> Explaining Surface Tension Video Water Channel Properties and States of Matter Channel Sink or Float Passage Project Sink or Float 	<ul style="list-style-type: none"> Sid the Science Kid Pet Care Video Animal needs What do pets need? 
<ul style="list-style-type: none"> Water in plants video Water Cycle Transpiration Video Water Cycle Exploration Water Channel Properties and States of Matter Channel 	<ul style="list-style-type: none"> Art and Artists Channel Art Minutes Channel 	<ul style="list-style-type: none"> Plugging into the grid exploration Watts Going On STEM Card How can electricity be transformed Energy Channel Electric Current Exploration How big is your footpring virtual lab 	  <ul style="list-style-type: none"> What is kinetic energy video Forms of energy channel Energized Ball Drop STEM Card 	<ul style="list-style-type: none"> The Science of Baseball Channel Olympic Winter Games How our economy works game Changing Direction Exploration