

“ELearning” Objective: To provide students with academic, social, emotional, physical, faith, and service activities in order to help students continue and maintain learning instruction while schools are sequestered for COVID-19. All activities listed below are optional activities for our students to do.

Wakelet List: <https://wke.lt/w/s/floRON>

Grade Level:	Academics				
Subjects:	Language Arts & Writing	Math	Science	Social Studies	Faith
What you will need	<p><i>The Boy Who Harnessed the Wind: Picture Book Edition</i> by William Kamkwamba (see link below)</p>	<p><i>If I Built a Car</i> by Chris Van Dusen (see link below)</p> <p>Materials you have at home to build a small “car”- paper, cardboard, cardstock, envelopes, scissors, glue, rubber bands, pieces of cereal or other small snacks, Hot Wheels or other cards, etc. The options are endless!</p> <p>Journal or paper and writing utensil</p> <p>Optional- straw, blow dryer, fan (with parent permission)</p>	<p>The various forms of energy are light, sound, motion/movement, and heat. (See link below)</p>	<p>Journal or paper and writing utensil</p> <p><i>Energy Island:How One Community Harnessed the Wind and Changed Their World</i> By Allan Drummond (see link below)</p> <p>The Real Energy Island News Clip (see link below)</p>	<p>Faith idea #1 Students will take a prayer walk and pray for things they see that they are thankful for.</p> <p>Faith idea #2 *Need: colored paper and art supplies and a window :)</p>
Essential Questions to ask students:	<p>What inspired William to build his windmill? Have you ever been inspired to do something? What was it and how were you inspired? Think of a real-world problem and develop a solution.</p>	<p>How does weight affect distance? How much wind power would it take to move an actual car? How does the duration of the wind affect travel distance? How could you change your car to make it travel further?</p>	<p>Where can you find the various forms of energy in your home or outside?</p>	<p>What are some renewable energy sources that we can use to produce energy?</p>	<p>#1 What of God’s creations are you thankful for?</p> <p>#2 How can we spread joy to others?</p>

Students will know	That it's through our hardships and challenges in life that we rise to the occasion and accomplish great things.	Students will know the effects of wind power.	Students will know how to identify the four evidences of energy, heat, sound, light, and motion/movement.	Students will identify renewable energy sources used on the island. They will see the effects of the change to renewable energy for their community and for the world.	<p>#1 Students will remember to be thankful for God's creations.</p> <p>#2 Students will know that it's our responsibility to look for ways to help others during hard times.</p>
Students will understand	That wind energy, while it is considered "alternative" for most of us, may be the only source available, and through inspiration, "alternative" may become mainstream.	Heavier objects need more energy power than lighter objects.	Students will understand what to look for when looking for evidence of energy.	How renewable energy affects society.	<p>#1 Students will understand the wonder and beauty of God's creations.</p> <p>#2 Understand that helping others also brings them joy.</p>
Students can do	Read the book and reflect on how one boy was inspired to utilize "alternative" forms of energy to help his community. Journal what the story may have inspired you to do.	<p>1) Listen to <i>If I Built a Car</i> by Chris Van Dusen (see link below).</p> <p>2) Use materials from home to create a "car" that is powered by wind (suggested materials in the STEM link below, but not limited to). Use what you have.</p> <p>3) Once the car is made, blow with or without a straw to power their car or use a fan or blow dryer if given parent permission.</p>	<p>Students will watch the Bill Nye Energy video. (see link below)</p> <p>Students will identify two or more examples of each type of evidence: heat, light, sound, motion/movement. Please write them in a notebook or on a lined piece of paper.</p>	<p>Listen to the story Energy Island (see link below).</p> <p>Watch the news clip (see link below).</p> <p>List one or two cause and effect examples from the book links or news clip.</p>	<p>#1 Students will take a walk and pray for the things that make them thankful.</p> <p>#2 Students and their families will decorate windows with hearts or an inspirational quote to cheer others who are walking in the neighborhood.</p>

Students can do		<p>4) Students will measure the distance their car travels in inches or centimeters.</p> <p>How far did it travel in 1 puff?</p> <p>How far did it travel in 30 seconds?</p> <p>Why do you think these were your results? What could change them?</p> <p>If looking for enrichment with this activity, see link below.</p>			
Resources	The Boy Who Harnessed the Wind	If I Built a Car by Chris Van Dusen STEM Wind Car Activity	Bill Nye the Science Guy-Energy Free app fourth grade learning games Fossweb.com	Energy Island The Real Energy Island News Clip	NA
How to submit activities:	Submit on Seesaw or in a journal	Record results in journal or on Seesaw	Submit energy evidence on Seesaw	Submit on Seesaw or in a journal	<p>#1 Students could record what they prayed for on Seesaw.</p> <p>#2 Optional: Post a picture of the window on SeeSaw</p>

Specials Activities			
	Music	PE	Art
Activity	Exploration of Sound Digital Lesson	Spelling Fitness	Paper for origami and the link below
Essential Questions	What are the ways we play percussion instruments?	What ways can you be active at home? What can you do to stay healthy?	How can we fold paper to create potential energy and watch as it transforms into a kinetic jump – all with origami?
Resources	Computer, tablet, or phone Digital lesson Seesaw or printer, paper, and scissors	Computer, tablet, or phone Seesaw	https://www.pinterest.com/pin/257338566195236778/
What will students do?	Students will review percussion family instruments. Students will play found instruments with music.	Spelling Fitness: Use the Spelling Fitness link to: <ol style="list-style-type: none"> 1. Spell your name 2. Spell your school mascot (Panthers, Lancers, Jaguars, Saints, Bruins) 3. Do the exercises for a 4-5 letter word and see if a friend or family member can guess your word. Bonus Challenge: Do the entire alphabet!	Students will use the link to create an origami frog. The student will also make it jump.
How to submit activities	Submit on Seesaw or email teacher	Submit on Seesaw to your homeroom teacher or email teacher	Submit on Seesaw