At-Home Education Resources

Lower Elementary (K - 2)

Dear Families,

When children are out of school, they are missing out on important academic activities as well as losing their daily routines and social interactions. To help support both your child's academic learning and mental health, a structured daily schedule is recommended. A schedule should include: academics, physical activity, free play, arts, reading, enrichment activities, and limited screen time. The following are resources for hands-on enrichment activities to keep students excited and motivated about learning. Challenge your students to complete the daily enrichment activity checklist below. Students with limited internet access can substitute the online activities with art, free play, reading, or a physical activity.

Daily Enrichment Activities

- ❑ Physical Activity (Walk, ride a bike, play a sport)
- ❑ Read for 30 minutes
- ❑ Offline Enrichment Activity: See Activity Chart
- ❑ Online Enrichment Activity: See Activity Chart (Requires internet access)

Free Online Learning Resources

Websites

- Code.org, Hourofcode.com
- PBSkids.org
- Breakoutedu.com
- Sciencejournalforkids.org
- Smoremagazine.com
- Spaceplace.NASA.gov, NASA.gov/kidsclub
- Funology.com
- Scholastic.com/magicschoolbus
- Kids.nationalgeographic.com
- Vivifystem.com
- Experiments.withgoogle.com
- Scratch.mit.edu
- Blockly.games
- EGFI-k12.org
- Funbrain.com
- QuickDraw.withgoogle.com

Apps

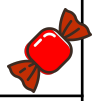
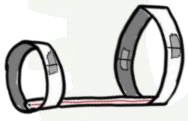
- LEGO Juniors
- LEGO Life
- Weird But True
- Robot Factor
- Mathtopia
- Wonderscope
- Flight Pilot Simulator 3D
- Drawing for Kids
- Stop Motion Animation Studio
- Toontastic 3D
- Cargo-Bot
- iNaturalist
- Tami's Tower
- SkyView
- Khan Academy Kids
- Tynker Junior

Podcasts

- Bedtime History
- Story Pirates
- Fun Kids Science Weekly
- Stories Podcast
- But Why
- KiDNuZ
- What If World
- Wow in the World
- BrainsOn
- Tumble

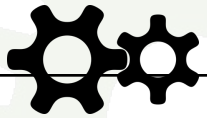
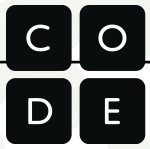
Enrichment Activity Chart: *Offline Learning*

Lower Elementary (K-2)

Create Monday	Science Tuesday	Active Wednesday	Engineering Thursday	Fun Friday
Create your personal mission patch! In a large circle, draw (or use clippings) to represent things you are passionate about.	Scientist want to understand the world around us. Write 5 WHY or WHAT questions to learn more about something in nature.	Create an obstacle course. Calculate your time to complete the course. Can you do it faster the second time? Get a family member to try!	Engineers solve problems to improve our lives. Brainstorm an invention that can improve your life. Draw how it will work.	Draw your ideal future city. What areas will keep citizens healthy and happy? What laws will you have? 
Create a skit or poster on the importance of hand washing and how to do it properly. 	Which is the best invisible ink? Write 3 messages using milk, lemon juice, and vinegar. Allow to dry. Heat up the paper with a blow dryer to see message appear.	Play some basketball (or trash can ball)! Measure how many baskets you make out of 10. Do it again. How many more/less did you get than the first trial?	Design and build a table using only newspaper or paper and tape. How much weight can it hold? How can you make it stronger?	Host a paper airplane contest. 
With the help of an adult, cook lunch or dinner. Measure out the ingredients. How would you double or halve the recipe?	Place a small ball on top of a large ball and drop them together. Watch how energy is transferred!	Find a quiet place in nature. Bring a journal and record everything you see. 	Design and build a catapult with household item to knock over a tower of cups. Calculate percentage accuracy.	Use a small bag of candies like M&Ms, make a bar graph showing how many of each color are in the bag. 
Make a greeting card using 3D pop up art. 	List 5 non-reusable items in your house. How can you make at least one of them reusable?	Go outside and record as many different insects and mammals as possible. 	Design and build a roller coaster from paper, paper plates, and tape. How long can you keep a ping pong ball moving?	Draw or write a story about your ideal vacation. 
Create a hoop glider using a straw and paper strips. How far can you make it go? 	Turn on the water slowly. Brush a plastic comb through your hair 10x. Slowly bring the comb close to the water. What is happening?	Measure your heart beat for 10 seconds. Run around and then measure again. How many beats more did you count in 10 seconds?	Create a zip line for a small action figure to travel down from at least your shoulder height. Count how many seconds it takes. Make it move faster or slower.	Survey your family for these genetic traits: dimples, attached earlobes, ability to roll tongue, and right thumb goes on top when clasping hands.
Peter Piper picked a peck of pickled peppers. Write your own tongue twister.	The tongue map theory states that different areas of your tongue sense different tastes. Look-up this theory. Create an experiment to prove or disprove it.	Create your own dance workout routine. Teach to a family member. 	Imagine you only have one leg. Design a prosthetic leg using household items. Test it out! How do you make it comfortable? How would it attach to your body?	With a family member, discuss a significant historical event that happened to them. How did this event impact their life? What did they learn?

Enrichment Activity Chart: *Online Learning*

Lower Elementary (K-2)

Create Monday	Science Tuesday	Coding Wednesday	Engineering Thursday	Fun Friday
Create beats using sounds from the everyday world. experiments.withgoogle.com/drum-machine	Check out the latest issue of Smore Magazine: smoremagazine.com	Play a coding game at hourofcode.com/us/learn 	Explore engineering careers at EGFI-k12.org 	Time to explore the night sky! Download the *SkyView* app. Can you find a planet or constellations? 
Bring a drawing to life with the *DRAWING FOR KIDS Games! Apps 2* app 	Build a window greenhouse and watch your plants grow. Learn more here: bit.ly/vivifylifescience 	Download the *Cargo-Bot* app and program your Bot.	Use the build activity spinner for an engineering challenge: pbskids.org/designsquad/build/spinner/	Listen to a story from the Story Pirates. www.storypirates.com/podcast
Conduct an orchestra from your computer. semiconductor.withgoogle.com/	Read a science article at sciencejournalforkids.org/	Play a coding game on the *Scratch Jr* app. 	Explore the NASA website: nasa.gov/kidsclub/. Find out about the Mission to the Moon.	Try out the *Flight Pilot Simulator 3D* app and conquer the skies. 
Create a movie using a *Stop Motion Animation studio* app. 	Conduct and record an experiment using SciJournal: sciencejournal.withgoogle.com/experiments/ 	Play a coding game at studio.code.org	Create a design in *LEGO Life* app. 	Choose 1 book to read. funbrain.com/books 
Create your own animated cartoon by downloading the Toontastic App. 	Play a science game from breakoutedu.com/funathome	Play a coding game at blockly.games 	Build and test a tower with the *Tami's Tower* app. 	Can the computer guess your drawing? quickdraw.withgoogle.com/
Create your own ant farm! Find a diagram at m.wikihow.com/Build-an-Ant-Farm. What do you observe? 	Use the *iNaturalist* app to learn about a new plant or creature and share it with the scientific community. 	Check out the projects at scratch.mit.edu then create your own game!	Can you cook using the heat of the sun? Learn how to build a solar oven: bit.ly/vivifysolaroven	Search "virtual museum tours" to explore famous exhibits from around the world.