




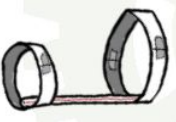


# Enrichment Activity Chart: Offline Learning

## Elementary (PreK-2nd Grade)

Create	Science	Active	Engineering	Fun
Create your personal mission patch! In a large circle, draw (or use clippings) to represent things you are passionate about.	Scientists want to understand the world around us. Write 5 WHY or WHAT questions to learn about something in nature.	Create an obstacle course. Get a family member to try! What is the shortest amount of time it takes to get through the course?	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 the message appear.	Play some basketball (or trash can ball)! Measure how many baskets you make out of 10.	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?	List 5 non-reusable items in your house. How can you make at least one of them reusable? 	Find a quiet place in nature. Bring a journal and record everything you see. 	 Design and build a catapult with a household item to knock over a tower of cups.	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! 	Turn on the water slowly. Brush a plastic comb through your hair 10 times. Slowly bring the comb close to the water. What is happening?	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?	With a family member, discuss a significant historical event that happened to them. How did this event impact their life? What did they learn?
Create a hoop glider using a straw and paper. How far can you make it go? 	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.	Measure your heart beat for 10 seconds. Do jumping jacks and then measure again. What is the difference?	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?	Survey your family for these genetic traits: dimples, attached earlobes, ability to roll tongue, and right thumb goes on top when clapping hands.
Peter Piper picked a peck of pickled peppers. Write your own tongue twister.	Place a small ball on top of a large ball and drop them together. Watch how energy is transferred!	Create your own dance workout routine. Teach it to a family member!	Create a zip line for a small action figure to travel down from at least your shoulder height.	Draw or write a story about your ideal vacation.

