

No internet? No problem! 'Offline' Learning Ideas



This list is curated by Mike Fisher (@fisher1000 on Twitter)

Math Ideas

- Measure the **area** and **perimeter** of your home.
- Find and photograph all the **shapes** in your home or neighborhood.
- Make **graphs** of the animals in your yard or the pets in your neighborhood and use that data to create your own math problems.
- If you have stairs, go up and down them, **counting** by 1s, 2s, 3s, 5s, and 10s.
- Determine the **volume** of ten containers, then display them in order.
- **Create math problems** with magnetic numbers on the back of a cookie sheet.
- Use empty egg cartons and beans/rice/rocks etc. to practice the **4 basic math skills (adding, subtracting, multiplying and dividing)**. Number the inside, then add the beans/rocks, etc, shake it up then open and use where they landed to solve problems. Decide which operation and the number of beans first.
- Draw a hopscotch **grid** and solve problems based on where the marker lands, then add or multiply and each block is touched.
- Play 4-square and recite the **multiplication tables** while playing.
- Find the internal and external measurements of your apartment or house (**square footage/area/perimeter**, etc.)
- For kids with pets— **measure** the cups/servings of food, figure how many ounces /grams per serving, figure how many servings per bag of their food. Then it could help determine how much food to get for a week or month.

Reading / Writing Ideas

- **Write a letter** to your teacher, principal, pastor, senator, community leader, grandparent, a friend in another city, anybody! Then address an envelope properly, and send it.
- **Write a poem** on your driveway or sidewalk with sidewalk chalk.
- Learn **ten new words** and use them when you have conversations.
- **Read, read, read**, as much as you can or as much as you want. This may be a good time to **binge-read** a series!
- **Read a book** to a younger sibling, a grandparent, or even a pet.
- **Write** and illustrate your own story, then share it when you get back to school.
- **Make a sticker, photo, or picture book** and write about the images you put on each page.
- Create **words and sentences** with magnetic letters and/or words. Maybe even try poetry?
- Create a **reading cave or nook** and read.
- Create a **vision board** using old magazines. Parents can create one too
- Writing idea: Make puppets out of socks (great for using unmatched ones) and **write a puppet show**. Take a cardboard box and use it for your theater. Put on a show for family at home.
- Read a story (fiction), draft your own **comic strip** using simple construction paper, lined paper, printer paper, crayons, markers, etc. Make frames (boxes) and begin your story using setting (characters, time, place), initiating problem; rising conflict, climax, falling action and resolution. Add the lesson learned or moral of the story (theme).
- **Write a letter** to thank a community hero.

Science Ideas

- Walk around your neighborhood and notice all the **living things**. How might they all be connected?
- Stay up late and look at the **stars**, visible **planets**, and notice **constellations**.
- Find, pick, and **dissect a flower**. What do you notice? What do you wonder?
- Create three different **paper airplanes** and test them. Use the best ideas to construct a better paper airplane.
- **Find ten rocks** and describe their attributes.
- Using paper, tape, and string, **design, build, and test a device** that warns you when someone opens the kitchen cabinet.
- **Go bird watching**. Notice their colors, beak shapes, sizes, etc. Try to observe and figure out how they fit into their ecosystem.
- **Plant a seed** inside or plant a bunch of them in a garden. Read about how to take care of the plant(s).
- **Engineer a boat** that can really float. How can you improve the design?
- **Start a nature diary** to document writings and pictures of what you see from day to day.