Water is one of the best exploration tools! Fill up a glass with water, and measure or mark the water level. Next, drop an object into the water. How much does the water level rise? What does this tell you about the object you dropped in?

Try making a three-dimensional shape from a flat piece of paper and tape. How many different shapes can you make? Try making a cube, pyramid, or cone. What else can you make with a flat piece of paper?

At the grocery store or market, try finding the largest piece of fruit you can. Then try and find the smallest. How many small pieces equal one big piece? What do you think they each taste like?

Often the shapes that we think about are flat, like circles and squares. But most things around us aren’t flat! Look at the objects you use every day and see if you can find some shapes. Maybe a circle in your mug? Can find a different shape if you look from the side?

Not all shapes are familiar. Try to find a shape that you don’t know the name of. How many new shapes can you find? Draw each new shape. If you think the shape might have a name, try searching for it. Or make up a name for your new shape!