



These skills can be practiced throughout the year	
Skills	Activities
Demonstrating safety in science.	Come up with a list of safety rules and procedures to follow while conducting experiments at home. Go over any equipment that may be hazardous to use.
Predicting Outcomes	Ask your child questions about predicting outcomes. What might happen if your raft had a hole in it and you are on the river? What might happen if you don't put gas in your car and continue driving? What might happen if you don't water your plants?
Perform measurements using appropriate tools.	Cook simple foods with your child such as Jell-O or make drinks like Kool-Aid. Have your child measure objects around the house in centimeters and meters. Ask your child to tell you what unit of measurement they would use to measure different objects. Example: What unit of measurement would you use to measure a table? inches, feet, yards, miles? Answer is feet. What unit of measurement would you use to measure the amount of milk in a bowl of cereal? cups, gallons, liters? A: cups.
Practicing observing.	Ask your child to close their eyes and ask them to observe the taste, smell, and feel of specific objects and food. Examples of objects to use: spaghetti, salt, sugar, cotton balls, sandpaper, baseball, basketball, etc.
Try mini experiments.	How long does it take water to evaporate? with salt? without salt? How long does it take for mold to grow on bread? Make different types of airplanes and fly them to see which goes farthest and fastest. What liquids freeze faster?
Discuss how technology is developed over time.	Have your child look at a new cell phone and an old cell phone. How are they different? How are they the same? Compare MP3 players, record players, cassettes, and CD's. How are they different? How are they the same? Compare a VHS tape, DVD, and Blu-ray disc. How are they different? How are they the same?
Propose a solution to a problem.	Ask your child to make a list of what an animal would need to do to survive outside. Ask your child to plan a menu for balanced meal.
Show how technology is used in many different occupations.	Talk to your child about what type of technology is used in your job or your family's job. Remember: Technology is anything that makes your life easier!!
Distinguish between mixtures and compounds.	A mixture can be taken apart when put together. Example: salad, trail mix A compound cannot be taken apart when put together. Example: cookies, bread Practice mixing items together while cooking to see whether or not they can be separated.
Describe the three states of matter. (solid, liquid, gas)	While grocery shopping, determine which items are solids and which are liquids. Make popsicles. What happens? Melt an ice cube in a bowl. What happens?
Demonstrate force and motion.	Go to the skate park and determine what would cause a person to go faster or slower on a skate board. How do wheels help a person move easier on rollerblades or skateboards? Does gravity helps you go faster on slides? What type of slides go faster? slower?
Earth and Space	Document the phases of the moon throughout the month. Keep a diagram of where the sun is in the sky throughout the day. Watch clips of Apollo 13 with your child to discuss space.
Body Systems	Ask your child questions pertaining to body systems. What body system does your body use for playing soccer? What body system does your body use for breathing? What body system does your body use for fighting germs? What body system does your body use for eating?