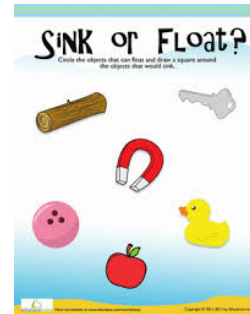




SCIENCE ACTIVITIES

SINK AND FLOAT

- Fill a container with water and place various items inside (rock, coins, spoon, fork, leaf, sponge). Allow your child to pick items too.
- Ask your child to predict which items will sink or which items will float.
- Test each prediction to see which ones are correct.
- *(Online Bonus) Watch “SciShow Kids Video – Sink or Float” on YouTube*



SEED TO SPROUT

- Give your child a clear sandwich bag and any seed or large bean.
- Place a wet paper towel or a few damp cotton balls in the bag.
- Drop the seed in the bag.
- Have your child observe and document the process each day.
- *(Online Bonus) Watch “SciShow Kids Video – How Does a Seed Become a Plant” on YouTube*

NATURE HUNT

- Give your child a small bag or container and go on a nature hunt around your yard or on a walk.
- Look for things that represent nature/living things like a flower, leaves, rocks, plants, sticks.
- Help your child write a list of the things that they found
- *(Online Bonus) Listen to “Going on a Bear Hunt” on YouTube and sing it while on the nature hunt*



SOUND WALK

- With your child, write a list of different sounds that they may hear in the neighborhood or backyard (barking dog, helicopter, radio, car horn, people talking, etc.).
- Sit outside or go for a walk and see how many of those sounds you actually hear.
- If you hear sounds that are not on your list, be sure to write them down.

WEATHER REPORT

- Each day have your child look outside to see what the weather is like.
- Help your child describe what they see using weather words like sunny, cloudy, gloomy, rainy.
- Give your child an opportunity to predict what the weather will be like for tomorrow.



LEAK PROOF BAG EXPERIMENT

- Fill a sandwich bag about 2/3 with water.
- Poke a pencil all the way through the lower part of the bag.
- The water will not leak out because the ingredients in the plastic seal themselves around the pencil.
- *(Online Bonus) Watch “Leak-Proof Bag Experiment by Spangler Science TV” on YouTube*

BUTTER IN A JAR

1 pint sized jar with lid 1 cup heavy cream cold water

- Pour heavy cream into the jar, filling it half-way full. Screw the lid on tightly.
- Shake mason jar for approximately 5-7 minutes. After the first 2 minutes, you'll have whipped cream.
- Keep shaking until you hear that a solid lump has formed inside, and shake an additional 30-60 seconds after that.
- Remove the solids from the jar. The remaining liquid is buttermilk. You can save that for other recipes, or discard it.
- Place the solids into a small bowl. Pour cold water over the butter and use your hands to squish it into a ball. Discard water and repeat rinsing 2 times more.
- At this point you have butter. You can add in things like salt, honey, and herbs to create flavored butters, or serve in its pure form as is.



MAKE GERMS SCATTER

- Fill a small container half full with water.
 - Cover the top of the water with a teaspoon of black pepper.
 - Have your child put one finger in the pepper to see how it sticks to them.
 - Explain that germs respond the same way that the pepper does.
 - Have your child cover another finger with dish soap. Stick the soapy finger into the pepper bowl and watch the pepper scatter. Explain that germs respond the same way that the pepper does.
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MUSICAL GLASSES

- Fill 4 glasses with different amounts of water.
- Use a spoon and tap the side of each glass to hear the different sound each one makes.
- Make a song with the glasses.



ICE CREAM IN A BAG

1 cup half-and-half

1/2 teaspoon vanilla extract

1/3 cup of salt

2 tablespoon white sugar

1 small sealable sandwich bag

1 large sealable plastic bag

- In a small resealable plastic bag, combine half-and-half, sugar, and vanilla.
 - Push excess air out of the bag and seal.
 - Into a large resealable plastic bag, combine ice and salt.
 - Place small bag inside the bigger bag and shake hard (7 to 10 minutes) until ice cream has hardened.
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