

Remote Learning: TPS Science Kindergarten, June 1 - June 18

Our Community, Our City: Family Resource Sheet

Have you ever noticed that some materials are **liquids** and some are **solids**? Materials can change between liquid and solid depending on the temperature. During the month of June, encourage your child to identify different solids and liquids and notice when they change. Ask them, “why?” For example, ice in a drink melts as it gets warmer and butter gets harder as it gets colder. As water boils on the stove, show your child the steam or **vapor** coming from the pot. That is water getting very hot and becoming a **gas**. You could have a lot of fun with this while playing outside or cooking in the kitchen. Science is everywhere! The attached activities are here to help you while you have conversations with your children about the world around you.

- ☐ A solid feels hard and doesn't change its shape. [CLICK HERE](#) or visit page S2 for a sheet to help you identify solid materials.
- ☐ A liquid can be poured and can fill a container. It can feel wet. [CLICK HERE](#) or visit S3 for a sheet to help you identify liquids.
- ☐ Can you tell the difference between solids and liquids? [CLICK HERE](#) or visit S4. Circle the material that doesn't belong with the rest of the group.
- ☐ You can turn liquids into solids by freezing them! Freezing makes things very cold. You will need some juice (pick any kind or try this with different types of juice). Pour the juice into an ice cube tray or small paper cups. [CLICK HERE](#) or visit S5 for a sheet to help you keep track of your observations and predictions. When you are finished, you will have some homemade popsicles to enjoy!
- ☐ Solids become liquids when they get warm. This process is called melting. You will do an experiment where you try to make solid water melt! Do you know what we call water that is a solid? We call that ice! [CLICK HERE](#) or visit S6 for an experiment where you will melt ice. If you don't have all the materials, you can use whatever you have around the house. Always ask an adult for help!
- ☐ Each day try to find one solid and one liquid. You can draw or list them in your notebook. How do you know that it is a solid or liquid? Can you melt it or freeze it? What will happen?
- ☐ If you want to you can visit [BrainPOP Jr.](https://jr.brainpop.com/) at <https://jr.brainpop.com/> Just sign up for a free account. Click on “Changing States of Matter” or “Solids, Liquids, & Gasses” under “Matter.”

