



Kinetic Sand

(Suggested Ages: 3+)

Gather

- Fine play sand (1 cup, either plain or colored)
- Corn starch (1/2 cup)
- Dish soap (1 Tbsp)
- Water (1/4 cup)
- Food color - optional



Let's Experiment!

1. Mix the dry ingredients.
2. Add water slowly and mix well with a spoon.
3. Let the mixture rest for two hours before playing with it.

How Does it Work?

Kinetic sand acts like wet sand that will not dry out. Why is this? The soap and cornstarch form a coating on each sand grain that keeps the grains suspended in the water that you pour in. The soap and cornstarch also keep the water from evaporating as quickly as it would normally, however, it's best to keep your sand in a plastic container for longer storage.

Take it Further!

Test how much weight your kinetic sand can hold before collapsing. Try molding different shapes, is one shape stronger than another? Vary the measurements of the ingredients - does using more or less corn starch or soap affect how your kinetic sand works? Make a sandcastle indoors and send us a picture!

For more information and to learn how to make *Kinetic Sand Slime*, visit:

<https://lifestyle.howstuffworks.com/crafts/science-projects/make-kinetic-sand.htm>