

Materials

- 1 cup of sand
- 1 tsp of dish soap
- 1 cup of water (added as needed)
- 1/2 tbsp of cornstarch
- Two containers

1

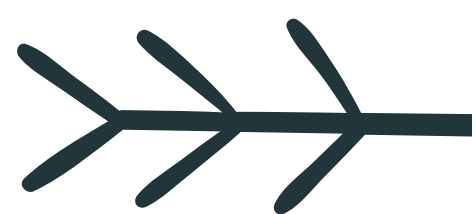
In one of the containers, mix the sand and cornstarch well.

2

In the second container, mix the soap and water. Not much soap is needed, just enough to make it bubbly.

3

Mix the sand/cornstarch mixture and the soap/water mixture together. The sand will become moldable.



The Science Behind It



When the ingredients are mixed together they create a polymer. A polymer is the same molecule chain (up to four molecules) connected repeatedly. There are two types of polymers: single and double chain polymers. **Single chain polymers** are more easily broken, and **double chains** are harder to break. The Super Sand mixture contains a single chain polymer allowing it to be easily molded into any shape you desire. Due to the other materials added the sand will not evaporate as fast as the sand at the beach, but given enough time it will.