

**Objective/Goals**

Children will be able to identify fine, medium, and coarse grain sand by using senses of sight and touch.

4-5 children and a mixture of older and younger children so that the older may model for the younger.

**Preschool Standards**

- Standard 1: Increase sensory awareness-*begin to identify & discriminate among sensory stimuli*
  - Standard 2: Engage in scientific inquiry-*questions, observations, tools, documentation*
    - Standard 3: Explore physical properties of the world-*comparison*
      - Standard 5: Learn about earth and sky-*properties of sand*

# of children	Materials
5	<ul style="list-style-type: none"> <li>• Cornstarch, sugar, and rice for comparison with everyday materials (CTX)</li> <li>• Prediction chart</li> <li>• 3 types of sand: fine, medium, and coarse</li> <li>• Trays, white paper, magnifying glass</li> <li>• Enlarged photo of sand</li> </ul>

**Description of Activity**

I will have children feel and identify cornstarch, sugar, and rice and will write down their descriptions. Then I will bring out one sand at a time and I will ask them to predict which ingredient it might feel like (fine sand might feel like cornstarch). I will then focus on vocabulary and the process (the more the water tumbles the rocks the smaller/finer the sand becomes).

	CREDE Standards
CREDE Standard	How will it be used
<b>JPA</b> Joint Productive Activity	Children will have jobs passing out tools. Will create a prediction chart. Observations recorded on a chart.
<b>LLD</b> Language & Literacy Development	Children will learn fine, medium, and coarse grain, texture (how something feels), predict/guess, cornstarch, sugar, raw rice
<b>CTX</b>	I will ask children where they may have seen these ingredients before. Is there

Contextualization	something else that they know feels the same? When you go to the beach how does the sand feel to you? How about in the sandbox?
<b>COT</b> Complex Thinking	Why are the sands different sizes? Color? How do we make sand that is fine? Coarse sand? Where else might we find sand? Only near the ocean? Do you think it will be fine, medium or coarse?
<b>IC</b> Instructional Conversation	This will come with the teacher asking questions and children providing answers or guesses. Instruction will come with the teacher providing directions to the activity. Teacher will support children's answers with more questions and answers. Experience the activity as the children do.
<b>MOD</b> Modeling	How to use tools and expectations for the activity
<b>CDA</b> Child Directed Activity	Choosing between sands and how they will observe the sand-using senses. Magnifying glass for sight, some children might smell, some children will blow sand and some will move the sand around with their fingers or hands. The children may want to mix ingredients or sand to make their own kind of sand and maybe give it a name (this could also be JPA)