



WEEK 1 Day 3

Discovery Table: Sand 1

Children explore damp sand, using tools and following a procedure to make sand castles.

Big Ideas	A strong, interdependent community has qualities, such as: <ul style="list-style-type: none"> ● shared responsibility, collaboration and support for each other.
Guiding Questions	What does it mean to be a member of a community? Why is collaboration and working together important?
Vocabulary	tools: objects used to accomplish something observe: to notice notice: to see, to pay attention to something search: to look for something describe: to tell what someone or something is like disappear: to go completely away, to become unable to be seen curious: interested estimate: to make a guess
Materials and Preparation	<ul style="list-style-type: none"> ● sensory/discovery table, or tabletop tubs ● sand ● sand table tools, such as cups and scoops, small shovels, and/or plastic spoons ● buckets and/or other plastic containers ● spray bottles filled with water ● Sand Castle Procedure (provided below) ● gloves, optional <p>When first opening the sand/sensory table, talk with children about the reason for keeping the sand moist: to minimize dust and to make it easier to build with.</p> <p>For Intro to Centers, prepare a small tub of sand to use for demonstration, or bring the group to the Discovery Table.</p>

<p>Intro to centers</p>	<p><i>Today at the Discovery Table, you can experiment with sand. Here are some tools you can use as you explore. [Name them.] Here's a challenge: how can you form the sand into sand castles or other structures?</i></p> <p>Invite children to make suggestions for what can be done with sand, and demonstrate their suggestions.</p> <p><i>If you'd like, you can follow this procedure for making a sand castle. Model using the procedure for making a sand castle, using the spray bottle to moisten the sand and noting that this helps to keep dust at a minimum. Make sure you are being safe with the sand; that means keeping it in the Discovery Table, so no one slips, and keeping it out of the air, so it doesn't get in anyone's eyes. Work with each other to figure out how to share the tools.</i></p>
<p>During Centers</p>	<p>As children are working, observe how they shape the sand; ask what they might do to make the sand hold together. Allow children to add water in small amounts; spray bottles are useful in helping to control how much water is added.</p> <p>Encourage children to follow the sand castle procedure.</p> <p>Once children have begun experimenting with wet and dry sand and various tools, talk with them about what the different consistencies allow them to accomplish with the sand.</p> <p>Encourage children to work together and to be mindful about safety.</p>
<p>Facilitation</p>	<ul style="list-style-type: none"> ● How does the sand feel? Is it soft, smooth, rough, course...? ● Can you form structures out of the sand? Have you tried adding any water? ● Which bucket do you think weighs more: the bucket with dry sand or the bucket with wet sand? ● Can you estimate how many scoops of sand will fill this small bucket? Can you find out? ● Can you estimate how many of these small buckets will fill the large bucket? ● Is it equally easy to make a large structure as it is to make a smaller one? ● How wide a structure can you make? How tall of a structure can you make? ● How are you sharing the tools in the sand table?
<p>Standards</p>	<p>SL.1.K.a. Participate in collaborative conversations about kindergarten topics and texts with peers, and adults in small and larger groups.</p>

	<p>SL.2K.b Ask and answer questions in order to seek help, gather information, or clarify something that is not understood.</p> <p>Civics and Government 4 Students understand the concepts of rights, duties, responsibilities, and participation by describing classroom rights, duties, and responsibilities including how students participate in some classroom decisions and are obliged to follow classroom rules</p> <p>Civics and Government 1 Students understand key ideas and processes that characterize democratic government in the community and the United States by identifying community workers and volunteers and the roles they play in promoting the common good.</p>
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Notes

Sand Castle Procedure

1. Pack the sand into a bucket with your hands or a shovel.



2. Press the sand down with your hands.



3. Turn the bucket upside down.



4. Carefully lift the bucket off to see the shape!

