



WEEK 1 Day 2

Discovery Table: Constructing with Sand 1

Children revisit sand, from Unit 1. Children explore the use of new tools and with adding different amounts of water to construct with the sand.

Big Idea	Through using materials and interacting with them, people learn important concepts and gain skills relating to physical science, engineering and technology, and the arts.
Guiding Question	How do people use different tools and materials for different purposes?
Vocabulary	tool: object used to accomplish something
Materials and Preparation	<ul style="list-style-type: none"> ● sensory/discovery table, or tabletop tubs ● sand ● small shovels, or plastic spoons, or spatulas ● buckets, or bowls ● spray bottles ● eye droppers, 2 or 3 ● cups, 2 or 3 ● small table or chair to place materials on <p>Fill the cups $\frac{1}{3}$ full with water. Place the cups and the tools nearby.</p> <ul style="list-style-type: none"> ● gloves, optional <p>For the Intro to Centers, prepare a small tub of sand and tools to use for demonstration, or bring the group to the Discovery Table.</p>
Intro to Centers	<p><i>At the Discovery Table, you'll find a familiar material. We worked with this before... sand!</i></p> <p><i>Turn and talk: What do you remember about working with sand?</i></p> <p>Harvest a few ideas. Remind children about being safe with the sand: keeping it inside the Discovery Table so the floor does not become slippery.</p> <p><i>You can experiment with getting the sand a bit wet. As you are building with the sand, consider how much water you might need to add to the sand to make it easier to build with.</i></p>

	<p>Invite children to share experiences using wet sand to construct, such as at a beach or at a park.</p> <p><i>What might you construct with wet sand? Consider the different buildings and sculptures you already know about in our city.</i></p> <p>Harvest a few responses.</p> <p><i>We've seen most of these tools before.</i></p> <p>Hold up a few of the familiar tools, then introduce new ones.</p> <p><i>With an eye dropper, we can add small amounts of water at a time. We typically use spatulas in the kitchen, but we can also use the flat part of a spatula to shape the sand.</i></p> <p>Talk together about and model use of various tools.</p>
During Centers	<p>Children construct with dry and wet sand. They experiment with adding water in small amounts with eye droppers or spray bottles. Talk with children about the different consistencies and how effective they are for building.</p> <p>Take note of how children shape the sand and what they construct. Encourage children to engage with each other as they are working.</p>
Facilitation	<ul style="list-style-type: none"> ● How does the sand feel? ● Tell me about what you are constructing. ● How might you add a _____? What tool might help you accomplish that? ● How did you decide about how much water to add? ● What tools are you using? Why?
Standards	<p>SL.1.K.b Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion).</p>

Notes