



Discovery Table: Constructing with Sand Part 2, Pig Houses

Building on the learning of the previous week, children construct houses from *The Three Little Pigs*.

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	<p>tools: objects used to accomplish something</p> <p>construct: making or building/ things that are made or built</p> <p>stable: Stable means that something stays up and doesn't fall down</p>
Materials and Preparation	<ul style="list-style-type: none"> ● 4 popsicle sticks ● character images from <i>The Three Little Pigs</i> (included) Print the character images onto heavy paper and laminate. Adhere each image to a popsicle stick to create stick puppets. ● sensory/discovery table, or tabletop tubs ● small table or chair to place materials on ● sand ● materials from around the classroom or Beautiful Stuff that might support building of the Pigs homes such as: <ul style="list-style-type: none"> ○ straw or yellow pipe cleaners or newsprint shredded packaging (to represent straw) ○ sticks, or popsicle sticks (to represent sticks) ○ small table blocks or rocks or legos (to represent rocks) ● small shovels, or plastic spoons, or spatulas ● buckets, or bowls, or cups ● spray bottles ● eye droppers, 2 or 3 ● cups, such as plastic/paper cups, 2 or 3

	<p>Fill the cups $\frac{1}{3}$ full with water. Place the cups and the tools on the small table/chair nearby the Discovery Table.</p> <ul style="list-style-type: none"> gloves, optional <p>For Intro to Centers, prepare a small tub of sand and materials for building to use for demonstration, or bring the group to the Discovery Table.</p>
Intro to Centers	<p><i>Last week at the Discovery Table, we worked with dry and wet sand to build sculptures and buildings. What did you discover?</i></p> <p>Engage in a whole group discussion. Prompt children to share their successes.</p> <p><i>Last week, we read The Three Little Pigs by Paul Galdone. In this story, the three little pigs constructed three different houses: one of straw, one of sticks, and one of brick.</i></p> <p>Hold up the character stick puppets while naming each house.</p> <p><i>How might you construct these three houses with sand? How might you make sure they are stable, or doesn't fall down?</i></p> <p>Show some of the materials/Beautiful Stuff that will support children's building. Provide time for children to turn and talk.</p> <p><i>This is tricky. As you build this week, remember to use some of the strategies that we have already learned about the wet sand. Also, it might be helpful to build with a friend. When you arrive at the Discovery Table, talk about your plan for building the three houses.</i></p>
During Centers	<p>Children construct the house of straw, sticks, and bricks with the dry and wet sand and available materials. They will experiment with the materials, engage in trial and error, and make discoveries. Take note of how they shape the sand and what they are constructing. Encourage children to engage with each other as they are working.</p>
Facilitation	<ul style="list-style-type: none"> What's your plan for this house? How will you help to make it stable? How are you working together? How do you plan to use these materials? How does the sand feel? Tell me about what you are building 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> <p>SEL. Relationships. Relationships building (Boston)</p>