



WEEK 3 Day 4

Blocks: Inspired by Zaha Hadid

Children design and build structures inspired by those designed by Zaha Hadid.

Big Ideas	<p>The process of design and construction includes imagining and being inspired, asking questions, researching, planning, creating, and improving our models. This process includes time to work alone and with others.</p> <p>Through using materials and interacting with them, people learn important concepts and gain skills relating to physical science, engineering and technology, and the arts.</p>
Guiding Questions	<p>What process helps you construct structures, ideas, and works of art? What do you feel inspired to build, create, or compose, and what materials and tools do you need to complete this project?</p>
Vocabulary	<p>inspire: to give someone an idea, or get an idea from someone or something</p> <p>imagine: to picture in your mind</p> <p>design: to plan or draw something before it is built</p> <p>structure: something that is built</p>
Materials and Preparation	<ul style="list-style-type: none"> ● unit blocks and other types of blocks (foam blocks, Kapla blocks, hollow blocks, snap blocks, etc.) ● Beautiful Stuff, both natural and recycled materials ● writing and drawing tools ● blank paper ● clipboards ● <i>The World is Not a Rectangle</i> text ● Zaha Hadid’s work images ● Al Janoub Stadium in Al Wakrah timelapse video (2:50, https://www.youtube.com/watch?v=xJrYxLpeDwM) ● Engineering Design Process visuals ● ipad or projector

	<p>Gather Beautiful Stuff to add to the Blocks Center.</p> <p>In the Center, display images of Zaha Hadid's work and the Engineering Design Process visuals. If possible, set up an ipad, laptop or projector with the images and video.</p>
<p>Intro to Centers</p>	<p><i>We are reading The World is Not a Rectangle: A Portrait of Architect Zaha Hadid. When Zaha Hadid was a child, what inspired her to think about becoming an architect?</i></p> <p>Harvest a couple of responses. [She was inspired by things in nature, like marshes, dunes, grass, pebbles and shells.]</p> <p><i>Zaha Hadid studied to become an architect and discovered that she liked curvy, flowing lines in her designs.</i></p> <p>Flip through a few pages, beginning on page 21, showing elements of nature and related buildings.</p> <p><i>This week in Blocks, you can use the Engineering Design Process to design and build structures inspired by her work. You can imagine the way Zaha did and see what you come up with.</i></p> <p>Show the slides and/or video.</p> <p><i>What do you notice? What inspires you from her work? Talk to a partner about your ideas.</i></p> <p>Think, Pair, Share.</p> <p>Show a sample of gathered materials.</p> <p><i>We have added both natural and recycled materials to the Blocks Center; you can use these for your designs along with blocks.</i></p> <p><i>Begin by looking at the images and video to think about and research what interests you. Ask yourself what inspires you, and then imagine how you might build it and what kind of building materials you might use. As part of the design process, you can sketch as you think.</i></p> <p><i>Zaha Hadid worked in her office with many other architects, collaborating on their projects. How do you think you can collaborate with each other the way architects do?</i></p> <p>Harvest a few ideas about collaboration.</p>
<p>During Centers</p>	<p>Encourage children to look closely at images. Ask them what details they notice about how the buildings are designed. Refer them to the Engineering Design Process, and remind them to begin by imagining and making a plan before building. Point out opportunities to collaborate, as architects do in their studios, on shared projects and across projects.</p>

<p>Guiding Questions</p>	<ul style="list-style-type: none"> ● What do you notice about Zaha Hadid’s architectural designs to inspire ideas about your own structure? ● How does researching for ideas help you to imagine what to build? ● How can you use natural or recycled materials in your structure? ● How would you use resources to help you with your plan? ● Why do you think the book is called <i>The World is not a Rectangle</i>? ● How can the Engineering Design Process help you? ● How are you collaborating with others?
<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.2.K.b Ask and answer questions in order to seek help, gather information, or clarify something that is not understood.</p> <p>SL.3.K.b Add drawings or other visual displays to descriptions as desired to provide additional detail.</p> <p>SEL.Relationships Skills: Teamwork (Boston)</p>

Notes