

Explore how water moves and make connections to **real world** examples.

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### TRY THIS

**Exhibits: Laminar Lifter, Build-a-Channel, Pour & Explore, Double Vortex, Morphable Stream**

Observe the water source at each station in the gallery. How is the water moving or flowing? Does it flow in the same way at each station? How does it feel when you put your hand in the flow of water?

Talk about other places where you have seen water move like this.

Investigate how to change the direction of the water flow using **tools** and **materials**. Make connections to **human-made and natural phenomena** that change, direct, or control the flow of water.

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### TRY THIS

**Exhibits: Build-a-Channel, Morphable Stream**

Test how a ball moves in the flowing water. With LEGO bricks or wand tools, can you direct the ball or change its speed? Think of a situation when you would want to change the flow or direction of water. Have you seen any natural or human-made creations that can redirect water?

Investigate how water can move a ball.

Experiment with **volume** as you explore the properties of water in its **liquid state**.

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### TRY THIS

**Exhibit: Pour & Explore**

What happens when you pour water from one container into another? How many "pours" from a small container fit into a larger one? If the containers have measurements on the side, can you use those terms to talk about your observations?

## **Dig Deeper**

### **Reflect and communicate**

Did you discover something familiar in this exhibit? Were you able to use familiar materials in ways that are new to you? Talk about what you discovered.

### **Make connections**

In the *Water Gallery*, you can see the movement or flow of water, change its direction, and observe its effects on other objects. Visit the *AirPlay Gallery* to experiment with and observe similar phenomena, using air. Can you float a ball in a stream of air, the way the Laminar Lifter uses water?

### **Explore more at home**

Investigate together beyond the Discovery Museum. Continue asking questions, making observations, designing experiments, and predicting outcomes: Next time you are washing dishes or taking a bath, notice how the water moves in the sink or tub. What does the water look like as it flows down the drain? Does it change if you place a spoon, fork, or other utensil in the stream from the tap? Head outside after a rainstorm to see if you can find water flowing down the sidewalk or street.

*As you and your child engaged with the exhibits in the Water Gallery you may have explored concepts that are connected to the Massachusetts Science and Technology/Engineering, and Mathematics, Curriculum Frameworks and specifically taught in Pre-Kindergarten, Kindergarten and Grades 3 through 6.*