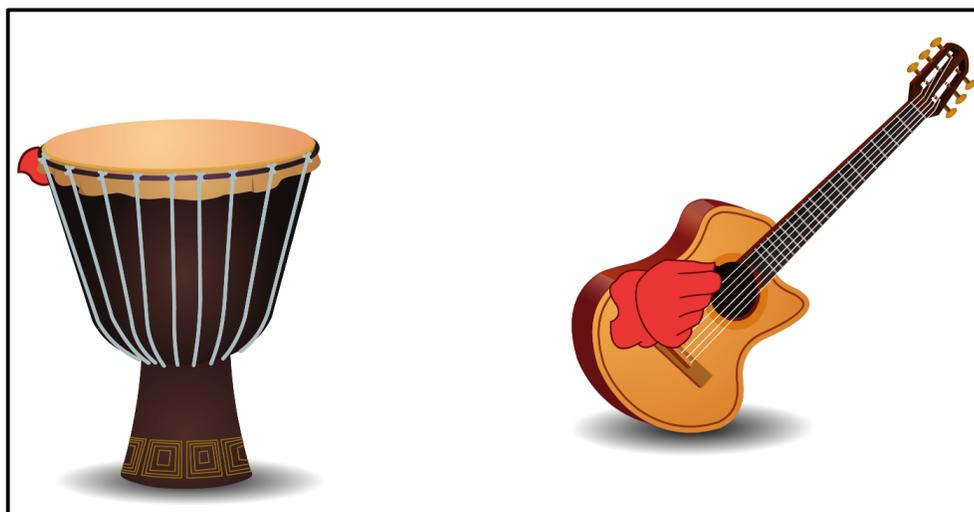


Increasing and Decreasing Sound Energy



IM Passage

Have you ever played a drum or guitar? These instruments make **sound**. What is sound and how is **sound** produced?



Sound is something that can be heard and is produced when something **vibrates** or goes back and forth very fast. Gently hold your hand to your neck and speak. You will feel your vocal cords **vibrating!** **Vibrations** can be caused by many things. Sound travels through **matter**.

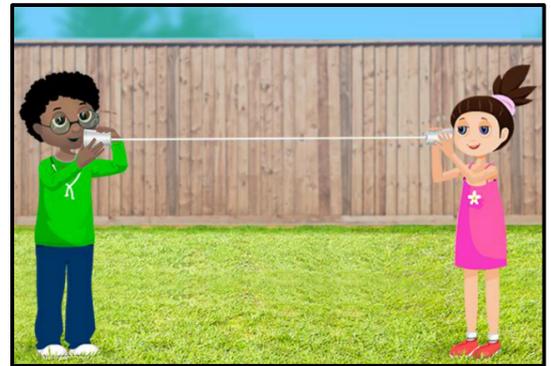


Increasing and Decreasing Sound Energy

Sounds can also produce **vibrations**, like an airplane or thunder shaking your windows! Some **sounds** are soft, while others are loud.



Sounds can help us communicate. Our voices allow us to speak to others. Cell phones allow us to talk to people that are far away. Ryan and Brie made a telephone with cups and a string. The **vibrations** pass through the string.



Fire trucks, police cars, and ambulances make loud sounds to communicate that they need to get somewhere.



Sounds are all around us! What do you hear?

Moving Objects



IM Passage

Things **move** in different ways.

Brie goes up and down when she jumps.



The roller coaster goes up and down.

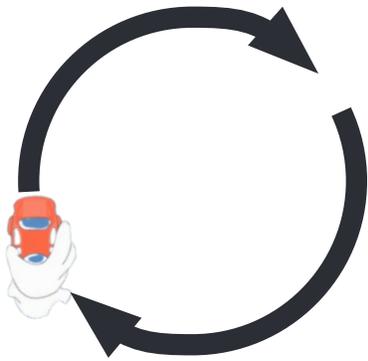


Moving Objects

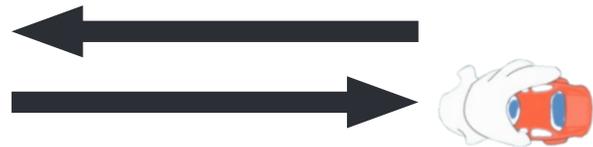
When you push the car, it can **move** in different ways.



Straight



Round and
round



Back and
forth



Zigzag

Moving Objects

Things can **move** fast or slow.



Pushes and Pulls



IM Passage



It's Ava's turn to ride in the wagon. How can they **move** the wagon?

Pushes and **pulls** can be used to move the wagon.

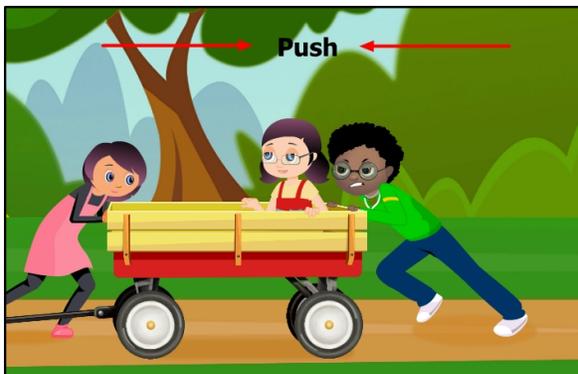


Pushes and Pulls



If Ryan wants to make the wagon **move** further, he should use more **force**.

Mia wants to move the wagon, but she is **pushing** and **pulling** in the opposite direction



The wagon will not **move**

Pushes and Pulls



Now Mia is **pushing** the wagon in the same **direction**. The wagon will move **faster** now!