



DID YOU HEAR THAT? GET READY TO OPEN YOUR EARS AS WE LEARN ABOUT SOUND!

From music on the radio to footsteps on the ground, sounds are everywhere! Sounds are made when something vibrates, or shakes back and forth, and sends out waves of energy. How strong or weak a vibration is will affect how loud the sound is. How fast or slow the sound waves are will affect how high or low the sound is. We can't see these waves of energy, but we can sense them with our ears. Some things make sounds on purpose, like the sounds animals make to communicate with each other and the musical instruments people play to create songs. Other things, like rain or a slamming door, unintentionally make sounds as different objects touch each other. No matter what creates the sound, different sounds help us understand and interact with the world around us!

DAY 2:

MEET A MUSICIAN

Meet Benjamin Carter, a musician from Norman, Oklahoma! Ben will take us into his studio to explore how people create music and different types of instruments. We will get to hear some of Ben's own music and explore what tools are used to capture sound. Get ready to strike a chord or two with Ben as we discover the science of sound in music!

In this video, we will explore:

<https://youtu.be/Nt1x-AQ3Gs4>



- How do musicians and instruments make sound?
- What is the difference between acoustic and electric instruments?
- How do musicians use sound to communicate ideas through song?
- What tools do musicians use to create and capture sound?



Sam Noble Home



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