
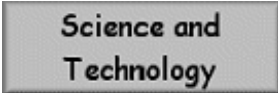
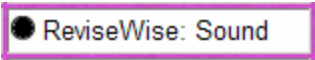
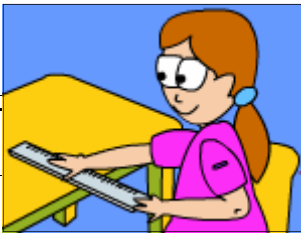









# Student Link

## Lesson Activity for Grade 4 (Science & Technology: Sound Energy)

Student Name: \_\_\_\_\_

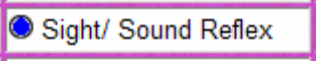


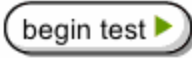

### INSTRUCTIONS

- In this activity you will need to have computer **headphones or speakers!**
- In StudentLink, click on the **Grade Four door**. 
- Click on the **Science and Technology** button. 
- Under Light or Sound Energy, click on **ReviseWise: Sound**. 
- Read each page carefully and try each activity before you click the next button! 

- Fill in the blanks!**
- Sound is made when an object \_\_\_\_\_.
- A sound can be \_\_\_\_\_ pitched or \_\_\_\_\_ pitched.  
Give your own example of each:  
\_\_\_\_\_
- Pitch is High / Low Sound**  
What is the length of the ruler in this part of the demonstration? \_\_\_\_\_ cm.  
Objects vibrating **g** \_\_\_\_\_ make a \_\_\_\_\_ pitched sound. 
- What is the length of the ruler in this part of the demonstration? \_\_\_\_\_ cm.  
Objects vibrating **s** \_\_\_\_\_ make a \_\_\_\_\_ pitched sound. 
- Loudness (or Volume) is Loud / Soft Sound**  
An object with bigger vibrations makes a \_\_\_\_\_ sound. 
- An object with smaller vibrations makes a \_\_\_\_\_ sound. 
-  Click the "**Next**" button until you see the orchestra.  
Click the actions in the order that you think they happen.  
Now click on the ...  read the **Fact Sheet**, then do the **Test!** 



Student Name: \_\_\_\_\_



14.	Now that you understand how sound travels let's move on...
15.	Which of your two senses of sight and hearing do you think is faster? Take a guess now! <input type="checkbox"/> I think my sight is faster than my hearing. <input type="checkbox"/> I think my hearing is faster than my sight.
16.	Let's find out. Go back to <b>Grade Four Science and Technology</b> and click on <b>Sight/Sound Reflex</b> . 
17.	Click on  ...and be patient while it loads! Think about mother. Is her birthday coming up? Don't forget.
18.	Select the <b>sight and sound test</b> and <b>read the instructions</b> . 
19.	<b>Get ready to be quick</b> then click on..... 
20.	<b>Record Your Results:</b> Which was quicker, your eyes or your ears? 



In space there is no air. Sound needs air to travel. But in Star Wars movies you can certainly hear the Millennium Falcon as it zooms by.  
*What's up with that?*

Sight:	
Sound:	



21.	Back on the <b>Grade Four Science and Technology</b> page, click on " <b>Changing Sounds</b> ".
22.	Pluck the guitar gently, then strongly. Describe the results:  Change the length of the guitar string. Describe the results: 
23.	Blow the bottle softly, then strongly. Describe the results:  Change the water level in the bottle. Describe the results: 
24.	Bang the drum softly then loudly. Describe the results:  Tighten the drum skin. Describe the results: 