

STEM Sound Investigations Secret Messages Student Inquiry Sheet



lame	Class	Date	
A recorded message can be found experimentation to see if you		called a Talky Tape. Do o	careful observation
CAUTION: You can explore the	strip, but do not cut or damage	e it in any way.	
Your Talky Tape has a second off of the tape so that you sage and what you think to	can understand it. In the spac		
	ss may have the same messag k the message says. Write wha at you initially thought?		
3. Working with your group, want to look at the tape wishare you ideas with other	th a magnifying lens. How doe		
4. An application of the Talky http://www.youtube.com/w nology can be used.	[,] Tape technology can be seer ratch?v=YR5Cejq2uyc. Invent		

Take Home Connection: The "phonograph" was invented by Thomas Edison in 1877. It recorded sound by making groves into tinfoil from sound vibrations. To playback the sound, a needle moved along the groves on the tinfoil and vibrated creating the sound. Records, the main source of music before computers, used this technology to produce music. See if you can listen to the music using a piece of paper rolled into a funnel and a needle. Find an old record and turntable. Insert the needle in the paper at the small end. Hold the funnel so that you can gently put the needle in a grove of the record and turn the turntable. What can you

hear? How are records like Talky Tapes?

Check Point