

Talkie Tapes

P7-7320



BACKGROUND:

Talkie Tapes produce sound by amplifying vibrations at specific frequencies. One side of each plastic tape has a series of ridges. The ridges are spaced so that the vibrations they create when the tape is scratched mimic a human voice saying, "Science is Fun!"

EXPERIMENTS:

1. Locate the bumpy side of the tape. Hold the pointed end of the tape in one hand, and scratch the thumbnail of the other hand down the length of the tape. It should take about 2-3 seconds to go the length of the tape. You should hear a faint voice saying 3 distinct words, but it may be difficult to recognize the words. You need to amplify the sound.
2. Amplify the vibrations by attaching the pointed end of the tape to any object, such as a piece of paper, a balloon, or a desk. You can also push the tape through a hole in the bottom of a plastic cup and knot the end, as in the drawing.
3. You can even amplify the sounds with your own skull! Hold the pointed end of the tape firmly in your front teeth, with the tape hanging in front of you. Scratch the bumps and hear the sounds in your head! Now stand next to someone and hear the amplification through their skull.



RELATED PRODUCTS:

Big Thunder Drum (P7-3100). You'll be amazed at the depth of sound that comes from our Big Thunder Drum. Just shake it, and the vibrations in the spring produce a thundering rumble!

Tuning Forks (P7-7000). Precision-tooled aluminum tuning forks that won't rust or tarnish.

Audioscope (P7-3300). Analyze voices and other sounds in three different high-definition displays with this easy-to-learn software package.

