THE SAGE DAD

SMALL ADVENTURES. TIME TOGETHER.

String Telephone

SD-B103 / DISCOVERERS · AGES 7–9

Test whether tight string carries sound better than loose.

YOU NEED: Two paper cups, 3 meters of string, a pencil to poke holes

DISCOVER	A grown-up pokes a small hole in the bottom of each cup. Thread the string through and knot it.
PREDICT	Will you hear better with tight string or loose string? Guess.
SOLVE	Whisper into one cup while a partner listens. Try tight, then loose.
EXPLAIN	Which worked better? What do you think carries the sound?

TIGHT VS LOOSE

	Whisper	Talking voice
Tight string		
Loose string		

My guess

I think tight / loose will be better because

What carries the sound?

I think the sound travels through

GROWN-UP GUIDE: A grown-up pokes the holes with a pencil. Stand far enough apart that the string is tight, and record whether you could hear. A tight string carries vibrations from one cup to the other; a loose one does not.