



String Telephone

EQUIPMENT	Piece of string about 10 m long, 2 tins with metal bases, Awl
PREPARATION	Make hole in bottom of tins using the awl
BACKGROUND INFORMATION	Sound travels better and faster through a solid material than through the air.
SKILLS	Experimenting
ACTIVITY	<p>To see how sound travels through solid things</p> <ul style="list-style-type: none">(i) Working in pairs – one person taps the table and the other listens, first normally and then with his/her ear on the table. Is there any difference in the two sounds?(ii) Make a small hole in the bottom of each tin, push the string through and tie a knot. With a person at each end pull the string tight, making sure it is not touching anything else. Take turns in speaking and listening. Try whispering. Can you hear?
SAFETY	Care with piercing holes in tins.
FOLLOW-UP ACTIVITIES	<p>Investigate how long the string can be.</p> <p>Make a telephone exchange using two or more string telephones.</p>

