Sending messages

Try this…

1. Set up a circuit like the one shown. Check that the switch can be turned on and off quickly.
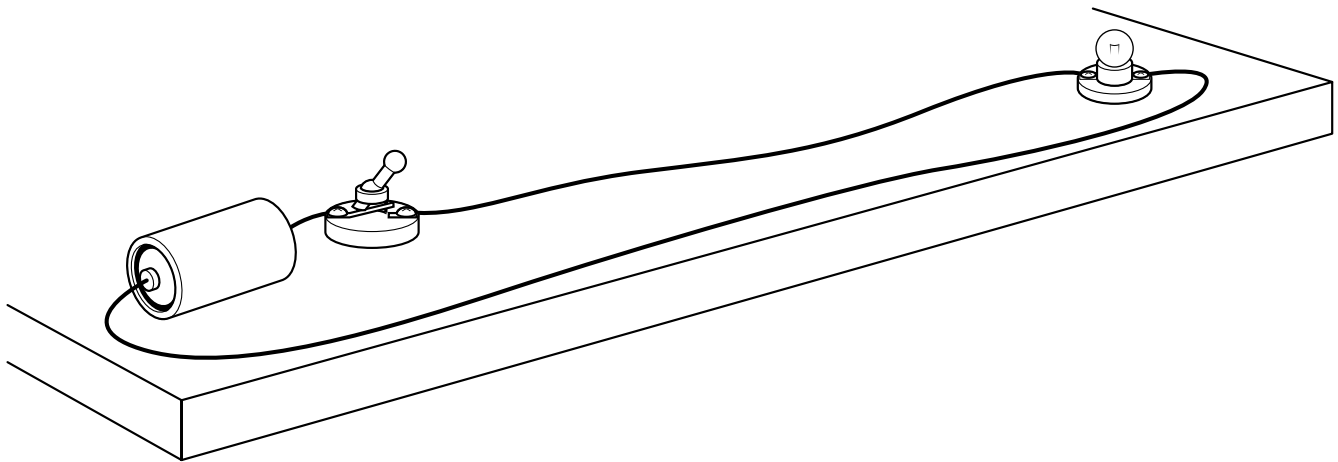
2. Work out a code of flashes between you and your partner. For example, two short flashes may be, "Can I borrow your pencil, please?" Do this for five or six different messages.

3. Each of you write down your code so that both you and your partner have a copy.

4. Work the switch and send a coded message to your partner. Your partner ticks the message on the sheet.

5. Ask your partner to read out the message and compare it with the one you sent.

6. Set up a second circuit for your partner so that you can send coded messages to and fro.

7. Use a buzzer instead of a bulb and decide which you think is better to use for sending messages.