

# How to Make a Stethoscope

*Stethoscopes are used to listen to a person's heart. We can make a very basic stethoscope easily.*

## What You Will Need

Funnel  
Gaffer tape  
Cardboard tube

## Method



Attach the funnel to the cardboard tube using gaffer tape.

Place on a friend's chest and listen to their heart beat.

Can you count how many times the heart beats in one minute?

## Explanation

Stethoscopes used by doctors consist of a chest piece, rubber tubes and earpieces. The chest piece consists of a diaphragm and bell which amplify the sound of the heart beating so the doctor can hear it.

## Extension Activities

How could you make the stethoscope better? What if you used a hose with a funnel at each end? Or different sized funnels? Which do you think would work the best?

What happens to your heart rate if you jump up and down for a few minutes?

