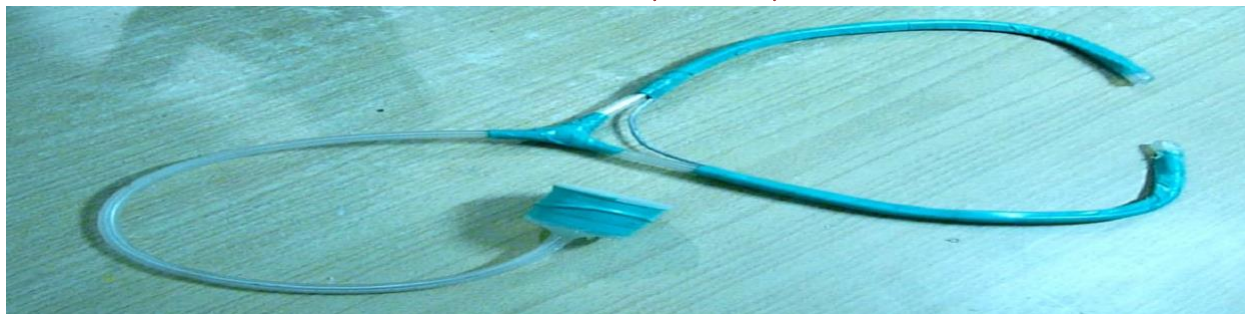


SCIENCE ACTIVITY – TO MAKE A HOMEMADE STETHOSCOPE.

CLASS-VII

CH-TRANSPORTATION IN ANIMALS & PLANTS



DOCTORS USE VARIOUS COMPLICATED TOOLS TO MONITOR THE HEALTH OF PATIENTS. YOU CAN MAKE A FEW OF THESE TOOLS LIKE THE STETHOSCOPE AT HOME EASILY! DOCTORS USE STETHOSCOPES TO LISTEN TO A PATIENT'S HEARTBEAT.

LEARNING OBJECTIVE :

IN THIS PROJECT, YOU WILL LEARN TO MAKE YOUR OWN STETHOSCOPE. (**LEARNING BY DOING**) ONCE YOU BUILD A STETHOSCOPE, YOU WILL BE ABLE TO HEAR THE DIFFERENCE BETWEEN ACTIVE AND RESTING HEARTBEAT AS WELL AS THE DIFFERENCE BETWEEN YOUR HEARTBEAT AND THE HEARTBEAT OF OTHERS IN THE HOUSE.

AIM:

TO MAKE A HOMEMADE STETHOSCOPE.

APPARATUS REQUIRED:

CAP, ALUMINIUM WIRE ,A TUBING PIECE ,SCISSORS ,TAPE, GLUE GUN , A BALLOON,RUBBER BAND

PROCEDURE:

- 1.CURVE A LONG PIECE OF THICK WIRE INTO A U-SHAPE
- 2.BEND THE ENDS OF THE WIRE INTO THE V-SHAPE
- 3.TAPE FLEXIBLE TUBING TO THE WIRE, EXTENDING ENDS
- 4.APPLY SOME HOT GLUE TO THE ENDS OF THE TUBING, BUT LEAVE THE HOLES OPEN
- 5.WRAP MORE ELECTRICAL TAPE AROUND THE TUBING TO CONCEAL THE WIRE
- 6.POKE A HOLE IN THE TOP OF A MEDICINE CAP.
- 7.HOT GLUE IN PIECE OF FLEXIBLE, PLASTIC TUBING INTO THE HOLE
- 8.POKE A HOLE INTO THE BOTTOM OF THE U-SHAPED TUBE.
- 9.POKE THE SECOND TUBE INTO THE HOLE AND HOT GLUE THE SEAM
- 10.CUT THE WATER BALLOON'S TAIL OFF, THEN PULL IT OVER THE TOP OF THE CAP.

RESULT : YOU CAN LISTEN TO HEART BEATS FOR TWO SECONDS WITH A STETHOSCOPE.