**Objective: Prepare a lesson on your topic to teach the rest of the class**

Learning outcome: **For the whole class to be able to interpret pressure and volume data and ECG traces**

2. **The functions** of the mammalian circulatory system. **The structure** of its parts – artery, vein, capillary, arterioles

1.**Heart Disease and its causes**

Hypertension Atheroma

Cholesterol Aneurysm

Thrombosis Angina

Arrythmia Coronary

Cardiovascular disease

Myocardial infarction

HEARTBEAT

4. **Design and carry out experiments** to investigate resting pulse rate, rate during exercise, recovery time. Include cardiac output

3. **Heart structure**

Dissection and diagrams to show atria, ventricles, left and right A-V valves, septum, aorta, pulmonary artery and vein, vena cava, coronary artery

5.**Control of the beat**

Cardiac cycle. Autonomic system. Vagus. Myogenic. Atrio-ventricular node. Sinu-atrial node. Purkinje fibres / Bundle of His. Wave of activity