Learning Targets:

Circulatory System

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| I can: | Vocabulary | |
| 1. Identify the main structures and understand their functions in the human circulatory system including the heart, blood vessels, and blood. 2. Explain the levels of organization in the human body. 3. Compare the functions of a cell to the functions of an organism. 4. Explain how the structures of the circulatory system are adapted to allow specific functions. 5. Demonstrate my understanding of the complementary nature of the circulatory and lymphatic systems to each other and the whole organism. 6. Explain the process of homeostasis and give an example from the circulatory system. 7. Explain blood pressure. 8. Explain the relationship between the circulatory system and the lungs. 9. Identify and explain common disorders of the circulatory system as well as how to prevent and treat them.   TEKS  7.6A The student knows that organic compounds contain carbon and other elements such as hydrogen, oxygen, phosphorus, nitrogen or sulfur.  7.10 The student knows that there is a relationship between organisms and the environment.  7.12 The student knows that living systems at all levels of organization demonstrate the complementary nature of structure and function.  7.12C The student recognizes levels of organization in plants and animals, including cells, tissues, organs, organ systems, and organisms.  7.13 The student knows that living organisms must be able to maintain balance in stable internal conditions in response to external and internal stimuli. | * circulatory system * cardiovascular * structure * function * artery * vein * capillary * blood * blood types * transfusion * white blood cell * red blood cell * hemoglobin * fibrin * platelet * plasma * lymphatic system * lymph * lymph node * superior vena cava * inferior vena cava * right atrium * right ventricle * left atrium * left ventricle * aorta * pulmonary arteries * pulmonary veins * septum * valve * pacemaker * coronary artery * chamber | * atherosclerosis * arteriosclerosis * varicose veins * stroke * anemia * leukemia * cholesterol * heart attack * hypertension * blood pressure * oxygenated blood * deoxygenated blood * pulmonary circulation * systemic circulation * diffusion |