HS-EHS-4 Cardiovascular System

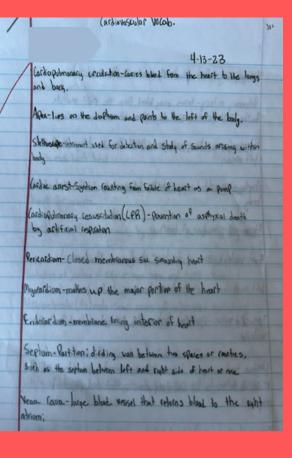
	Cardiovascular System Unit Pacing Guide							
	Day	Intro	Instruct		Assess	Homework		
Components of Whole Blood	1	Students add to prefix/suffix flashcards: • Erythro, cyte, leuko	Blood PPT- Section 1 & Section 2 Cornell Notes (Blood composition & plasma, Blood Formed Elements)	:	Cornell Notes summaries Informal discussion and questions			
	2	Prefix/suffix flashcards: • Thrombo, penia, anti	Blood PPT- Section 3 Cornell Notes (Blood Formed Elements: Part 2) Components of Blood Lab Materials: blood smear and microscopes or virtual slide	:	Cornell Notes summaries Informal discussion and questions Informal questioning during lab activity Graded lab questions	Honors: Digging Deeper: Artificial Blood		
Hemostasis	3	Prefix/suffix flashcards: • Hemo/hemato, poiesis, blast, pluri, potent, stasis	Blood PPT- Section 4 & 5 Cornell Notes (Blood Processes, Blood Groups)	:	Cornell Notes summaries Informal discussion and questions	All: Homeostasis in the Blood Honors: Data Analysis: Blood Volume Digging Deeper: Erythrocyte Life Cycle		
Components of Whole Blood, Anatomy of the Heart	4	Discuss/review homework	Cardiovascular System Lab Materials: stopwatch or wall clock with secondhand, computers, sphygmomanometer (optional), stethoscope (optional), colored pencils	•	Collect Cardiovascular System Lab Worksheet (25 pts)	Study for Blood Quiz		
	5	Prefix/suffix flashcards: • Sept, eosin, granulo	Online Blood Quiz (need computers) Heart PPT- Section 1 Cornell Notes (Intro to the Heart)	:	Cornell Notes summaries Informal discussion and questions			
Physiology of the Heart	6	Prefix/suffix flashcards: • Myo, endo, peri, epi, cardio	Heart PPT- Sections 2 & 3 Cornell Notes (Anatomy of the Heart, Physiology of the Heart)	:	Cornell Notes summaries Informal discussion and questions			
Coincide with State Standards document in Unit Planning Folder *Bold items must be photocopied. This icon is found on the top right corner of Honors pages for easy identification.								



Students learn abnormal and normal ranges for blood pressure and practice multiple times. Also students learn how to interact with patients.

	Day	Intro	Instruct	Assess	Homework
Anatomy & physiology of the heart	7	Put away all belonging to prepare for dissection lab	Sheep Heart Dissection	Collect Lab Worksheet (25 pts)	Honors: An Erythrocyte's Story (graded for 20 pts- 14 terms accurately used + 6 pts for creativity)
Blood vessels	8	Prefix/suffix flashcards: • vascul, ven, athero,	Blood Vessels PPT Cornell Notes (Blood Vessels) Major Blood Vessels Diagram (for reference) Blood Vessel Microscopy Lab	Cornell Notes summaries Informal discussion and questions Blood vessel microscopy lab (completion check)	All: Study for Heart Quiz Honors: Digging Deeper: Vital Signs
Pathology	9	Prefix/suffix flashcards: • Athero, emia/ema	Heart Online Quiz (need computers) Disease Infographic research (need computers)	Informal observation of student progress Student planning pages (simply observe for progress)	
	10	Review prefix/suffix flashcards	Finish Disease Infographics	Infographic grading rubric (20 pts- 5 pts for each category)	Finish Disease Infographics if not finished
Review	11	Review prefix/suffix flashcards	Collect Disease Infographics Task Card Review	Observe student progress during task cards Informal questioning, if necessary	Study for test
	12	Review prefix/suffix flashcards	Go over Task Card Review making sure students have correct answers to study for test External Heart Anatomy Diagram Interior Heart Anatomy Diagram Intrinsic Cardiac Conduction Diagram	Assess student understanding based on task card answers Information questioning Informal check of diagram accuracy	Study for test
Assess- ment	13	Review notes for test	Cardiovascular System Test	Formal assessment	





Coursey Smos-fam the host muscle to the right altium

Ribinously actery-towes away blood fam the raint ventricle

Ribinously veins-bring anaperealed blood fam the lungs to the

Ribinously veins-bring anaperealed blood fam the lungs to the

Arto-towns blood away from the left ventricle to the cost of the

body

Atron-veiler chamber of heart

Right ventricle-one of the lower chambers of the heart

Left ventricle-one of the lower chambers of the heart

Trivistic value-positioned between the right alnum and the right

lentricle.

Instale tenderace-small sibrous should connecting the edges of the

nipolardium.

Costid (value to the papillary muscle that are projections of the

nipolardium.

4.2, 4.4

Blood Pressure Worksheet Answer the following questions.

1. Define blood pressure.

The measurement of fressure of blood that is exerted on the wall of orderies during various Stage of heart activity.

2. Identify what unit of measurement is used to measure blood pressure.

Milliatoms of mercury.

3. What are the names of the instruments used to measure blood pressure?

SteamoScape a Sphygromanometer

4. The greatest force of the blood against the walls of the arteries during ventricular contraction is called ______SUSTONIC_____

- 5. The constant pressure in the walls of the arteries is called DiaStolic
- 6. Describe the normal ranges for each type of blood pressure measurement.

a. Systolic - 100 - 140 mm Ha

b. Diastolic - 60 - 90 mm Hg

7. What are the four main factors that influence blood pressure?

a Force of the heart

b. Resistance of the autenal system

c. Elastic of the arteries

d. Volume of the blood in the outeries

8. Describe the three factors that may increase blood pressure.

a excitement

b. Exercise

c. Smaking

a Rest sleep

b. Shock

c fostma

10. What other factors may cause miscellaneous readings of blood pressure?

a. In COMPOT CUSP SIZE

11. How is the blood pressure recorded?
In ProcHars. Sustaic on top;

Diastolic on Notion

12. Identify two types of blood pressure cuffs.

a mercury

b. Electronic

13. Describe the exact location you should place the blood pressure cuff. Center of the upper arm and I space albave the ante Cubital area or the arme

14. In what direction should the earpieces of the stethoscope be pointed?

— towards the face 15. Identify three positions of the patient to obtain a BP.

the state of the second state of the second

a lying b. Standing

c. SIHHING

4.1, 4.2, 4.3, 4.4, 4.7

