

# WV CSO Curriculum Planning Tool

## Human Anatomy / Physiology

Standard	Obj.#	Objective	Projected Date	Date Taught	Date Assessed	Date Re-Taught	Date Re-Assessed
Standard 1: History and the Nature of Science	HAP.1.1	evidence for variability					
	HAP.1.2	science has practical and theoretical limitations					
	HAP.1.3	observations in a testable framework					
	HAP.1.4	science is creativity, logic and mathematics					
	HAP.1.5	key historical concepts and principles					
	HAP.1.6	integrate the history of science with cultural history					
Standard 2: Science as Inquiry	HAP.2.1	skills, attitudes, & values of scientific inquiry					
	HAP.2.2	demonstrate ethical practices for science					
	HAP.2.3	scientific approaches to seek solutions					
	HAP.2.4	properly and safely manipulate equipment					
	HAP.2.5	conduct explorations in a variety of environments					
	HAP.2.6	use appropriate technology solutions					
	HAP.2.7	science processes within problem solving					
	HAP.2.8	design, conduct, evaluate and revise experiments					
Standard 3: Unifying Themes	HAP.3.1	systems analysis to make predictions					
	HAP.3.2	make predictions about interactions in systems					
	HAP.3.3	rate, scale, patterns, trends and cycles					
	HAP.3.4	scale up, scale down					
Standard 4: Science Subject Matter/Concepts	HAP.4.1	directional terminology					
	HAP.4.2	current literature and research					
	HAP.4.3	foundational chemical concepts					
	HAP.4.4	chemical molecular processes in the human body					
	HAP.4.5	DNA in transcription					
	HAP.4.6	eukaryotic cell organelles & their products					
	HAP.4.7	cells, tissues, organs, organ systems					
	HAP.4.8	types of human tissue					
	HAP.4.9	integumentary system					
	HAP.4.10	bone tissue					
	HAP.4.11	skeletal system					
	HAP.4.12	muscle contraction on micro & macro levels					
	HAP.4.13	skeletal, neural & muscular systems					
	HAP.4.14	musculature system					
	HAP.4.15	types of neurons					
	HAP.4.16	nervous impulse					
	HAP.4.17	central nervous system					
	HAP.4.18	peripheral nervous system					
	HAP.4.19	ear and eye to their function/dysfunction					
	HAP.4.20	enzymes and hormones					
	HAP.4.21	endocrine system					
	HAP.4.22	reproductive systems					
	HAP.4.23	human growth and development.					
	HAP.4.24	cellular meiosis and mitosis.					
	HAP.4.25	gametes, fertilization & embryonic development					
	HAP.4.26	DNA in protein synthesis & human inheritance					
	HAP.4.27	Mendel's laws					
	HAP.4.28	human metabolism.					

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	<b>HAP.4.29</b>	transport mechanisms in cells					
	<b>HAP.4.30</b>	digestive system					
	<b>HAP.4.31</b>	respiratory system					
	<b>HAP.4.32</b>	circulatory and lymphatic systems					
	<b>HAP.4.33</b>	blood & compatibility of blood types					
	<b>HAP.4.34</b>	excretory system					
	<b>HAP.4.35</b>	potential system failures					
	<b>HAP.4.36</b>	immunological system					
	<b>HAP.4.37</b>	symptoms, prevention & treatment of diseases					
	<b>HAP.4.38</b>	disorders related to each major system.					
<b>Standard 5: Scientific Design and Application</b>							
	<b>HAP.5.1</b>	technological advances in medicine & health					
	<b>HAP.5.2</b>	interdependence of science & technology					
	<b>HAP.5.3</b>	scientific skills and technological tools					
	<b>HAP.5.4</b>	technological innovations					
	<b>HAP.5.5</b>	technology solutions to communicate conclusions					
<b>Standard 6: Science in Personal and Social Perspectives</b>							
	<b>HAP.6.1</b>	evolving nature of scientific thought & knowledge					
	<b>HAP.6.2</b>	occupational opportunities in science & technology					
	<b>HAP.6.3</b>	resolve science-technology-society issues					