EMERGING AND RE-EMERGING INFECTIOUS DISEASES				
Alabama Science Standards – Biology Core: Grades 9 – 12				
Activity	Standard	Descriptor		
3	1	Select appropriate laboratory glassware, balances, time measuring equipment, and optical instruments to conduct an experiment. • Describing the steps of the scientific method • Comparing controls, dependent variables, and independent variables • Identifying safe laboratory procedures when handling chemicals and using Bunsen burners and laboratory glassware • Using appropriate SI units for measuring length, volume, and mass		
3	8	Identify the structure and function of DNA, RNA, and protein. • Explaining relationships among DNA, genes, and chromosomes • Listing significant contributions of biotechnology to society, including agricultural and medical practices • Relating normal patterns of genetic inheritance to genetic variation • Relating ways chance, mutagens, and genetic engineering increase diversity • Relating genetic disorders and disease to patterns of genetic inheritance		
		Alabama Science Standards – Genetics Elective Core: High School		
2, 3	2	Describe factors such as radiation, chemicals, and chance that cause mutations in populations. • Describing effects of genetic variability on adaptations		
4	10	 Explain the development and purpose of the Human Genome Project. Analyzing results of the Human Genome Project to predict ethical, social, and legal implications Describing medical uses of gene therapy, including vaccines and tissue and antibody engineering 		
	Alabama S	cience Standards – Human Anatomy and Physiology Elective Core: High School		
4	15	Identify physiological effects and components of the immune system. • Contrasting active and passive immunity • Evaluating the importance of vaccines		
		Alabama Mathematics Standards – Algebra I		
Activity	Standard	Descriptor		
4	7	Solve multistep equations and inequalities including linear, radical, absolute value, and literal equations. • Modeling real-world problems by developing and solving equations and inequalities, including those involving direct and inverse variation		
2, 4	12	Compare various methods of data reporting, including scatterplots, stem-and-leaf plots, histograms, box-and-whisker		

		plots, and line graphs, to make inferences or predictions.		
		Alabama English Language Arts Standards: Grades 9 & 10		
Grade 9				
Activity	Standard	Descriptor		
All activities	3	Read with comprehension a variety of ninth-grade informational and functional reading materials, including recognizing tone and propaganda. Organizing steps of a process and other sequences Identifying organizational structure Recognizing fallacies in logic Following complex written directions		
2, 3, 4, 5	7	Write in narrative, expository, and persuasive modes using figurative language and imagery, including simile and metaphor, when effective and appropriate. Using an abbreviated writing process to write an essay in timed and untimed situations Using verbals to increase sentence complexity Using a variety of patterns to organize information in multi-paragraph writings Developing an effective voice suitable for audience and purpose Using a variety of sentence patterns Using active voice and passive voice when appropriate		
2, 3, 5	13	Demonstrate paraphrasing, quoting, and summarizing of primary and secondary sources and various methods of note taking		
All activities	17	Use supporting details to present a position and to respond to an argument.		
		Grade 10		
2, 3, 4	1	Apply both literal and inferential comprehension strategies, including drawing conclusions and making inferences about characters, motives, intentions, and attitudes in short stories, drama, poetry, novels, and essays and other nonfiction texts. • Using context clues to determine meaning • Identifying sequences to enhance understanding • Summarizing passages to share main ideas or events		
All activities	3	Read with literal and inferential comprehension a variety of informational and functional reading materials, including making inferences about effects when passage provides cause; inferring cause when passage provides effect; making inferences, decisions, and predictions from tables, charts, and other text features; and identifying the outcome or product of a set of directions. • Following complex or embedded directions • Distinguishing author's opinion from factual statements • Determining main idea and supporting details in informational and functional reading materials		

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		 Summarizing passages of informational and functional reading materials Determining sequence of events
2, 3, 4, 5	7	Write in persuasive, expository, and narrative modes using an abbreviated writing process in timed and untimed situations. • Critiquing content, literary elements, and word choice, including addressing clear, precise, and vivid language • Using a variety of sentence patterns • Evaluating opinions, including personal opinions, for supporting details and bias • Using active and passive voice when appropriate
2, 3, 4, 5	8	Write in a variety of genres for various audiences and occasions, both formal and informal, using an attention-getting opening and an effective conclusion. • Developing an effective voice suitable for audience and purpose
All activities	9	Apply principles of Standard English by adjusting vocabulary and style for the occasion.
		Alabama Haalib Education Standardo, Crados N. 19
Activity	Standard	Alabama Health Education Standards: Grades 9 – 12 Descriptor
Activity 2, 4	Standard 1	Alabama Health Education Standards: Grades 9 – 12 Descriptor Determine a variety of health services provided by school and community health professionals.
	_	Descriptor
2, 4	1	Descriptor Determine a variety of health services provided by school and community health professionals.
2, 4 3, 4	1 2	Descriptor Determine a variety of health services provided by school and community health professionals. Identify positive health activities that influence and support others to work cooperatively for healthy communities.
2, 4 3, 4 2, 3, 4, 5	1 2 7	Descriptor Determine a variety of health services provided by school and community health professionals. Identify positive health activities that influence and support others to work cooperatively for healthy communities. Analyze factors that affect community health.
2, 4 3, 4 2, 3, 4, 5 3, 4	1 2 7 8	Descriptor Determine a variety of health services provided by school and community health professionals. Identify positive health activities that influence and support others to work cooperatively for healthy communities. Analyze factors that affect community health. Compare the rights of individuals or special interest groups regarding the environment with those of the community. Analyze the relationship of dimensions of health and wellness such as emotional, mental (intellectual), physical, social,
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