

UNDERSTANDING ALCOHOL: INVESTIGATIONS INTO BIOLOGY AND BEHAVIOR		
Alabama Science Standards – Life Science: Grade 7		
Lesson	Standard	Descriptor
1, 3	1	Describe characteristics common to living things, including growth and development, reproduction, cellular organization, use of energy, exchange of gases, and response to the environment. <ul style="list-style-type: none"> • Identifying homeostasis as the process by which an organism responds to its internal or external environment • Predicting how an organism's behavior impacts the environment
2	3	Relate major tissues and organs of the skeletal, circulatory, reproductive, muscular, respiratory, nervous, and digestive systems to their functions. <ul style="list-style-type: none"> • Arranging in order the organizational levels of the human body from the cell through organ systems
Alabama Science Standards – Physical Science: Grade 8		
3, 5	1	Identify steps within the scientific process. <ul style="list-style-type: none"> • Applying process skills to interpret data from graphs, tables, and charts • Identifying controls and variables in a scientific investigation • Measuring dimension, volume, and mass using Système International d'Unités (SI units) • Identifying examples of hypotheses • Identifying appropriate laboratory glassware, balances, time measuring equipment, and optical instruments used to conduct an investigation
Alabama Mathematics Standards – Grades 6 – 8		
Grade 6		
Lesson	Standard	Descriptor
2, 3, 4, 5	1	Demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
2, 3, 4, 5	2	Solve problems involving decimals, percents, fractions, and proportions.
3, 4, 5, 6	10	Interpret information from bar graphs, line graphs, and circle graphs.
Grade 7		
2, 3, 4, 5	1	Demonstrate computational fluency with addition, subtraction, and multiplication of integers.
2, 3, 4, 5	2	Use order of operations to evaluate numerical expressions.
2, 3, 4, 5	3	Solve problems requiring the use of operations on rational numbers. <ul style="list-style-type: none"> • Describing the method used • Determining the reasonableness of results • Using percents to solve problems, including problems involving discounts, taxes, commissions, and simple interest

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2, 4, 5	6	Solve one- and two-step equations.
5	11	Solve problems involving ratios or rates, using proportional reasoning. <ul style="list-style-type: none"> • Converting units of length, weight, or capacity from metric to customary and from customary to metric
Grade 8		
2, 3, 4, 5	1	Use various strategies and operations to solve problems involving real numbers.
2, 3	3	Use order of operations to evaluate and simplify algebraic expressions.
3, 4, 5, 6	13	Interpret data from populations, using given and collected data. <ul style="list-style-type: none"> • Representing the data with the most appropriate graph, including box-and-whisker plot, circle graph, and scatterplot
Alabama English Language Arts Standards: Grades 6 – 8		
Grade 6		
Lesson	Standard	Descriptor
2, 3, 4, 5, 6	3	Apply strategies that include making complex predictions, identifying the likely source of a text, and comparing to comprehend sixth-grade informational and functional reading materials. <ul style="list-style-type: none"> • Drawing conclusions to extend meaning • Making generalizations • Using context clues to determine meaning • Identifying sequence of events • Previewing text features before reading
2, 3, 4, 5, 6	4	Recognize the use of text elements, including implied main idea, explicit cause-effect relationships, and persuasive techniques, in sixth-grade informational and functional reading materials. <ul style="list-style-type: none"> • Identifying details related to main idea
2, 5, 6	8	Compose in persuasive mode for a specific purpose and audience, including clearly stated opinions with supporting details and reasons or examples to influence thought or action. <ul style="list-style-type: none"> • Using the steps of the writing process, including prewriting, drafting, revising, editing, and publishing in all forms of written composition • Demonstrating use of graphic organizers for prewriting and drafting • Organizing content of paragraphs and other written compositions, including topic sentences, supporting sentences, and concluding sentences with varied sentence structure • Using transitional words or phrases to help create coherence in compositions • Using tone appropriate to the topic, purpose, and audience
2, 3, 5, 6	9	Utilize vocabulary and spelling skills, including using homonyms, synonyms, and antonyms in writing.
5, 6	13	Utilize resource materials for supporting evidence in compositions.
3, 5, 6	14	Use organizing and paraphrasing in the research process. <ul style="list-style-type: none"> • Taking notes to gather and summarize information

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All lessons	17	Use listening skills for remembering significant details, directions, and sequences. <ul style="list-style-type: none"> • Summarizing messages for content and purpose • Practicing note-taking skills to gather and summarize information • Paraphrasing spoken messages to summarize or clarify • Recognizing propaganda as an art of persuasion in evaluating content and purpose
Grade 7		
Lesson	Standard	Descriptor
2, 3, 4, 5, 6	4	Apply strategies that include setting purposes for reading, distinguishing fact from opinion, making generalizations, and reviewing to comprehend informational and functional reading materials. <ul style="list-style-type: none"> • Determining sequence of events to enhance text understanding • Using specific context clues to determine meaning of unfamiliar words • Applying self-monitoring strategies for text understanding • Drawing conclusions to determine unstated intent
2, 3, 4, 5, 6	5	Recognize the use of textual elements, including main idea and supporting details, to gain information from various text formats, including graphs.
2, 3, 5, 6	9	Compose in descriptive, narrative, expository, and persuasive modes with a thesis sentence and introductory, supporting, and concluding paragraphs when appropriate. Using transitional words and phrases for coherence
3, 5, 6	13	Apply steps in the research process to identify a problem or issue, locate resources and information, and present findings. <ul style="list-style-type: none"> • Taking notes to gather and summarize information
3, 5, 6	14	Present findings from inquiry and research using a variety of resources. <ul style="list-style-type: none"> • Examples: projects, brochures, display boards, speeches, multimedia presentations
All lessons	15	Demonstrate listening skills, including identifying the main idea, detail, purpose, and bias in group discussions, public speeches, and media messages.
Grade 8		
Lesson	Standard	Descriptor
2, 3, 4, 5, 6	4	Apply strategies appropriate to type of reading material, including making inferences to determine bias or theme and using specific context clues, to comprehend eighth-grade informational and functional reading materials. <ul style="list-style-type: none"> • Applying self-monitoring strategies for text understanding • Comparing predicted with actual content in informational and functional reading materials • Distinguishing fact from opinion in informational reading materials • Confirming author's credentials • Determining sequence of steps, events, or information
2, 3, 5, 6	8	Write in narrative, expository, and persuasive modes with attention to descriptive elements.

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All lessons	14	Identify characteristics of spoken formal and informal language.
Alabama Health Education Standards: Grades 6 – 8		
Grade 6		
Lesson	Standard	Descriptor
5, 6	1	Identify health advocacy strategies.
6	2	Identify services provided by local, state, and national health agencies and organizations.
1, 4, 6	3	Identify the influence of positive and negative cultural messages on health behaviors.
All lessons	4	Recognize criteria to be used in determining reliability of health information, products, and services.
4, 6	5	Describe practices that are related to the control of disease and other health problems.
4, 5, 6	7	Describe current issues that relate to healthy living.
All lessons	10	Apply effective verbal and nonverbal communication skills to enhance relationships.
4, 5, 6	16	Describe the interrelationship of adolescent health risk behaviors.
1, 3, 4, 5, 6	18	Describe the physical and social consequences of substance use and abuse.
Grade 7		
Lesson	Standard	Descriptor
1, 4, 5, 6	1	Analyze how health-related decisions are influenced by individuals, families, and community values.
4, 5, 6	4	Describe how health is affected by the environment.
3, 4	6	Describe the influence of family history on the causes and prevention of disease and other health problems.
4, 5, 6	9	Describe how decisions regarding health behaviors produce consequences for self and others. • Examples: asking for help when depressed; avoiding drugs, alcohol, and sexual behaviors
5	14	Describe the multiple impacts of disease and disability on the nervous, reproductive, digestive, and respiratory systems.
4, 5, 6	15	Analyze the short- and long-term effects of risk behaviors that compromise adolescent health.
1, 3, 4, 5, 6	16	Describe the consequences of misusing legal drugs.
Grade 8		
6	1	Apply health advocacy strategies. • Examples: writing and recording public service announcements for school or community broadcasts, writing letters to editors of local newspapers, implementing a school improvement project
1, 4, 5	4	Recognize cultural influences that impact health behaviors.
4, 5, 6	5	Analyze how environment and personal health are interrelated.

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2, 5	6	Explain the impact of personal health behaviors on the functioning of body systems. <ul style="list-style-type: none"> • Examples: effects of sexual behavior on the reproductive system, effects of smoking on the respiratory system, effects of exposure to sun on development of abnormal cellular changes in the skin
4	8	Identify barriers to effective communication about health issues.
4, 5, 6	9	Apply decision-making skills to improve a personal health behavior.
1, 3, 4, 5, 6	13	Identify the short- and long-term effects of using alcohol and other drugs, including legal and illegal substances.