

UNDERSTANDING ALCOHOL: INVESTIGATIONS INTO BIOLOGY AND BEHAVIOR		
Texas Essential Knowledge and Skills for Science - Grades 6, 7, 8		
Lesson	Standard	Description
3, 5	§112.22.b.2.A §112.23.b.2.A §112.24.b.2.A	Plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology.
All lessons	§112.22.b.2.B §112.23.b.2.B §112.24.b.2.B	Collect data by observing and measuring.
All lessons	§112.22.b.2.C §112.23.b.2.C §112.24.b.2.C	Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.
All lessons	§112.22.b.2.D §112.23.b.2.D §112.24.b.2.D	Communicate valid conclusions.
3, 4, 5, 6	§112.22.b.2.E §112.23.b.2.E §112.24.b.2.E	Construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate data.
3, 5, 6	§112.22.b.3.A §112.23.b.3.A §112.24.b.3.A	Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.
1, 4	§112.22.b.3.B §112.23.b.3.B §112.24.b.3.B	Draw inferences based on data related to promotional materials for products and services.
1, 3, 4	§112.22.b.3.C §112.23.b.3.C §112.24.b.3.C	Represent the natural world using models and identify their limitations.
5, 6	§112.22.b.3.D §112.23.b.3.D §112.24.b.3.D	Evaluate the impact of research on scientific thought, society, and the environment.

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3	§112.22.b.4.A §112.23.b.4.A §112.24.b.4.A	Collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, timing devices, hot plates, test tubes, safety goggles, spring scales, magnets, balances, microscopes, telescopes, thermometers, calculators, field equipment, compasses, computers, and computer probes.
2	§112.22.b.7.B	Classify substances by their physical and chemical properties.
2	§112.22.b.10.C	Identify how structure complements function at different levels of organization including organs, organ systems, organisms, and populations.
2	§112.23.b.9.A	Identify the systems of the human organism and describe their functions.
3	§112.23.b.9.B	Describe how organisms maintain stable internal conditions while living in changing external environments.
2, 3, 4, 5, 6	§112.24.b.4.B	Extrapolate from collected information to make predictions.
2, 3, 5	§112.24.b.6.A	Describe interactions among systems in the human organism.
	§112.24.b.7.B	Recognize that waves are generated and can travel through different media.
3, 4, 5	§112.24.b.11.A	Identify that change in environmental conditions can affect the survival of individuals and of species.
Texas Essential Knowledge and Skills for Mathematics – Grades 6, 7, 8		
Lesson	Standard	Description
2, 3, 4, 5	§111.22.b.1.B	Generate equivalent forms of rational numbers including whole numbers, fractions, and decimals.
2, 3, 4, 5	§111.22.b.1.C	Use integers to represent real-life situations.
2, 4, 5	§111.22.b.2.A	Model addition and subtraction situations involving fractions with objects, pictures, words, and numbers.
2, 5	§111.22.b.2.B	Use addition and subtraction to solve problems involving fractions and decimals.
5	§111.22.b.2.C	Use multiplication and division of whole numbers to solve problems including situations involving equivalent ratios and rates.
2	§111.22.b.8.A	Estimate measurements and evaluate reasonableness of results.
2	§111.22.b.8.D	Convert measures within the same measurement system (customary and metric) based on relationships between units.
2, 3, 4, 5	§111.22.b.10.D	Solve problems by collecting, organizing, displaying, and interpreting data.
2, 3, 4, 5, 6	§111.22.b.11.A	Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.

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2, 4, 5	§111.23.b.1.B	Convert between fractions, decimals, whole numbers, and percents mentally, on paper, or with a calculator.
2, 5	§111.23.b.2.A	Represent multiplication and division situations involving fractions and decimals with concrete models, pictures, words, and numbers.
2, 5	§111.23.b.2.B	Use addition, subtraction, multiplication, and division to solve problems involving fractions and decimals.
2, 4, 5	§111.23.b.2.G	Determine the reasonableness of a solution to a problem.
2, 4, 5	§111.23.b.3.A	Estimate and find solutions to application problems involving percent.
3, 5	§111.23.b.11.A	Select and use an appropriate representation for presenting collected data and justify the selection.
2, 3, 4, 5	§111.23.b.11.B	Make inferences and convincing arguments based on an analysis of given or collected data.
2, 3, 4, 5, 6	§111.23.b.13.A	Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.
2, 3, 4, 5	§111.24.b.1.A	Compare and order rational numbers in various forms including integers, percents, and positive and negative fractions and decimals.
5, 6	§111.24.b.1.B	Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships.
4, 5	§111.24.b.2.A	Select and use appropriate operations to solve problems and justify the selections.
2, 4, 5	§111.24.b.2.B	Add, subtract, multiply, and divide rational numbers in problem situations.
2, 3, 4, 5	§111.24.b.2.C	Evaluate a solution for reasonableness.
3, 4, 5, 6	§111.24.b.4	Generate a different representation given one representation of data such as a table, graph, equation, or verbal description.
2, 3, 4, 5	§111.24.b.11.B	Use theoretical probabilities and experimental results to make predictions and decisions.
3, 4, 5, 6	§111.24.b.12.C	Construct circle graphs, bar graphs, and histograms, with and without technology.
2, 3, 4, 5, 6	§111.24.b.14.A	Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.
2, 3, 4, 5	§111.24.b.16.B	Validate his/her conclusions using mathematical properties and relationships.
Texas Essential Knowledge and Skills for English Language Arts and Reading – Grades 6, 7, 8		
Lesson	Standard	Description
3, 4, 5, 6	§110.22.b.7.B §110.23.b.7.B	Read regularly in instructional-level materials that are challenging but manageable.

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	§110.24.b.7.B	
All lessons	§110.22.b.9.B §110.23.b.9.B §110.24.b.9.B	Draw on experiences to bring meanings to words in context such as interpreting idioms, multiple-meaning words, and analogies.
All lessons	§110.22.b.10.A §110.23.b.10.A §110.22.b.10.A	Use his/her own knowledge and experience to comprehend.
5, 6	§110.22.b.10.F §110.23.b.10.F §110.24.b.10.F	Determine a text's main (or major ideas) and how those ideas are supported with details.
3, 4, 5, 6	§110.22.b.10.G §110.23.b.10.G §110.24.b.10.G	Paraphrase and summarize text to recall, inform, or organize ideas.
3, 4, 5, 6	§110.22.b.10.H §110.23.b.10.H §110.24.b.10.H	Draw inferences such as conclusions or generalizations and support them with text evidence and experience.
All lessons	§110.22.b.11.A §110.22.b.11.A §110.24.b.11.A	Offer observations, make connections, react, speculate, interpret, and raise questions in response to texts.
5	§110.22.b.13.A §110.23.b.13.A §110.24.b.13.A	Form and revise questions for investigations, including questions arising from readings, assignments, and units of study.
3, 4, 5, 6	§110.22.b.13.C §110.23.b.13.C §110.24.b.13.C	Use multiple sources, including electronic texts, experts, and print resources, to locate information relevant to research questions.
3, 4, 5, 6	§110.22.b.13.D §110.23.b.13.D §110.24.b.13.D	Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.
1, 2, 3, 5, 6	§110.22.b.13.G §110.23.b.13.G §110.24.b.13.G	Draw conclusions from information gathered from multiple sources.
5, 6	§110.22.b.13.H	Use compiled information and knowledge to raise additional, unanswered questions.

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	§110.23.b.13.H §110.24.b.13.H	
2, 3, 5, 6	§110.22.b.13.I §110.23.b.13.I §110.24.b.13.I	Present organized statements, reports, and speeches using visuals or media to support meaning, as appropriate.
1, 2, 3, 5, 6	§110.22.b.15.A §110.23.b.15.A §110.24.b.15.A	Write to express, discover, record, develop, reflect on ideas, and to problem solve.
5, 6	§110.22.b.15.B §110.23.b.15.B §110.24.b.15.B	Write to influence such as to persuade, argue, and request.
2, 3, 5, 6	§110.22.b.15.C §110.23.b.15.C §110.24.b.15.C	Write to inform such as to explain, describe, report, and narrate.
2, 3, 5, 6	§110.22.b.15.E §110.23.b.15.E §110.24.b.15.E	Select and use voice and style appropriate to audience and purpose.
2, 3, 5, 6	§110.22.b.15.F §110.23.b.15.F §110.24.b.15.F	Choose the appropriate form for his/her own purpose for writing, including journals, letters, editorials, reviews, poems, presentations, narratives, reports, and instructions.
5	§110.22.b.20.A §110.23.b.20.A §110.24.b.20.A	Frame questions to direct research.
1, 3, 4, 5, 6	§110.22.b.22.B §110.23.b.22.B §110.24.b.22.B	Interpret important events and ideas gathered from maps, charts, graphics, video segments, or technology presentations.
Texas Essential Knowledge and Skills for Health Education – Grades 6, 7, 8		
Lesson	Standard	Description
2, 3, 5, 6	§115.22.b.2.A	Analyze the relationships among the body systems.
4	§115.22.b.3.C	List noncommunicable and hereditary diseases and respective prevention and treatment techniques.
2, 3, 4, 5, 6	§115.22.b.4.B	Use critical thinking to research and evaluate health information.

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4, 5, 6	§115.22.b.5.B	Examine social influences on drug-taking behaviors.
3, 4, 6	§115.22.b.5.C	Describe chemical dependency and addiction to tobacco, alcohol, and other drugs and substances.
4, 5, 6	§115.22.b.7.A	Differentiate between positive and negative relationships that can affect individual health such as clubs, gangs, or families.
5, 6	§115.22.b.7.B	Explain ways of maintaining healthy relationships such as resisting peer pressure to engage in unsafe behavior.
4, 5, 6	§115.23.b.1.A	Analyze the interrelationships of physical, mental, and social health.
4	§115.23.b.3.B	Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
4	§115.23.b.3.C	Distinguish risk factors associated with communicable and noncommunicable diseases.
1, 4, 6	§115.23.b.4.A	Use critical thinking to analyze and use health information such as interpreting media messages.
2, 3, 4, 5, 6	§115.23.b.4.C	Demonstrate ways to use health information to help self and others.
4, 5, 6	§115.23.b.5.H	Explain the impact of chemical dependency and addiction to tobacco, alcohol, drugs and other substances.
4, 5, 6	§115.23.b.5.J	Identify ways to prevent the use of tobacco, alcohol, and other drugs such as alternative activities.
4, 5, 6	§115.23.b.7.A	Analyze positive and negative relationships that influence individual and community health such as families, peers, and role models.
4, 5, 6	§115.23.b.7.B	Develop strategies for monitoring positive and negative relationships that influence health.
3, 4, 5, 6	§115.23.b.9.A	Describe personal health behaviors and knowledge unique to different generations and populations.
3, 4, 5, 6	§115.23.b.12.A	Interpret critical issues related to solving health problems.
4, 5, 6	§115.23.b.12.B	Relate practices and steps necessary for making health decisions.
2, 4, 5, 6	§115.23.b.12.C	Appraise the risks and benefits of decision-making about personal health.