



**Correlations of the
WET in the City Curriculum and Activity Guide
to the Texas Essential Knowledge and Skills (TEKS)
6-8 (Middle School)**

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WET in the City is a program of the Council for Environmental Education



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Acid Rain Reactions

Theme: Water is a natural resource.

Pages 157 - 166

Overview: Through simulations and experimentation, students explore the effects of acid precipitation on the urban environment.

WET in the City Objectives: Students will (1) illustrate the meaning of pH, (2) analyze and explain the effects of acidic solutions on common building materials, and (3) analyze the effects of acidic water on plant life.

WET in the City Skills: Gathering information (observing, measuring, calculating, recording); Organizing (plotting data, graphing); Analyzing (comparing, discussing); Interpreting (drawing conclusions); Applying (experimenting, predicting)

Connected lessons: "Hanging Together," "Whose Problem is It?," "Perspectives," "Water Court," and "Hot Water."

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.7.A - Demonstrate that new substances can be made when two or more substances are chemically combined and compare the properties of the new substances to the original substances.	6.1.C - Use integers to represent real-life situations.	6.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.	Art 6.1.A - Illustrate themes from direct observation, personal experience, and traditional events.	6.4.B - Use critical thinking to research and evaluate health information.
6	6.12.B - Identify responses in organisms to external stimuli such as the presence or absence of heat or light.	6.3.B - Represent ratios and percents with concrete models, fractions, and decimals.	6.15.B - Write to influence such as to persuade, argue, and request.	6.14.A - Identify and explain the importance of voluntary civic participation in democratic societies.		
6	6.12.C - Identify components of an ecosystem to which organisms may respond.	6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.	6.15.C - Write to inform such as to explain, describe, report, and narrate.	6.23.B - Use a decision-making process to identify a situation that requires a decision, gather information, identify options, predict consequences, and take action to implement a decision.		
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7	7.7.C - Recognize that compounds are composed of elements.	7.11.B - Make inferences and convincing arguments based on an analysis of given or collected data.	7.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	7.17.C - Express and defend a point of view on an issue of historical or contemporary interest in Texas.	Art 7.1.A - Illustrate ideas from direct observation, imagination, personal experience, and school and community events.	7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.

Acid Rain Reactions

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.11.B - Identify responses in organisms to external stimuli found in the environment such as the presence or absence of light.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	7.15.B - Write to influence such as to persuade, argue, and request.	7.21.E - Support a point of view on a social studies issue or event.	Art 7.2.A - Create artworks based on direct observations, personal experience, and imagination.	
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.		7.15.C - Write to inform such as to explain, describe, report, and narrate.			
8	8.6.C - Describe interactions within ecosystems.	8.1.B - Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships.	8.8.D - Read to take action such as to complete forms, to make informed recommendations, and write a response.	8.20.D - Identify examples of responsible citizenship, including obeying rules and laws, voting, and serving on juries.	Art 8.1.A - Illustrate ideas from direct observation, imagination, and personal experience and from experiences at school and community events.	8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.8.A - Describe the structure and parts of an atom.	8.2.B - Add, subtract, multiply, and divide rational numbers in problem situations.	8.15.B - Write to influence such as to persuade, argue, and request.	8.30.E - Support a point of view on a social studies issue or event.		
8	8.9.A - Demonstrate that substances may react chemically to form new substances.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.	8.16.A - Make conjectures from patterns or sets of examples and nonexamples.				
8	8.14.C - Describe how human activities have modified soil, water, and air quality.					

AfterMath

Theme: Water resources are managed.

Pages 249-252

Overview: By calculating economic loss that results from flooding in a specific area, students investigate how people are affected by floods and other weather events.

WET in the City Objectives: Students will (1) interpret how economic damage reports present individual and community losses from a natural disaster, (2) differentiate between emotional and economic loss from a natural disaster, and (3) recognize why some natural events are classified as disasters.

WET in the City Skills: Gathering information (calculating); Organizing (mapping); Analyzing (comparing); Interpreting (discovering conclusions)

Connected lessons: “The Thunderstorm”, “Wet Vacation”, “Hot Water”, and “Back to the Future”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6		6.12.A - Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.	6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			

AfterMath

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.24.B - Produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports.			
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	7.15.C - Write to inform such as to explain, describe, report, and narrate.			
7		7.14.A - Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.	7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
7			7.24.B - Produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports.			
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.15.C - Write to inform such as to explain, describe, report, and narrate.			

AfterMath

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8		8.15.A - Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.	8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			
8			8.24.B - Produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports.			

A-maze-ing Water

Theme: Water is a natural resource.

Pages 167 - 170

Overview: Students guide a drop of water through a maze of “drainage pipes” to learn how actions in the home and yard affect water quality

WET in the City Objectives: Students will (1) describe urban forms of pollution, (2) provide reasons why people should monitor what they put on their lawns or in the streets, and (3) identify ways to treat urban runoff.

WET in the City Skills: Organizing (manipulating materials); Interpreting (identifying cause and effect); Applying (designing).

Connected lessons: “Rainy Day Hike” and “Sum of the Parts”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.		6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6	6.3.C - Represent the natural world using models and identify their limitations.		6.16.F - Spell accurately in final drafts.			
6	6.14.B - Identify relationships between groundwater and surface water in a watershed.		6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		7.15.C - Write to inform such as to explain, describe, report, and narrate.			
7	7.2.C - Organize, analyze, make inferences and predict trends from direct and indirect evidence.		7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7	7.3.C - Represent the natural world using models and identify their limitations.		7.16.F - Spell accurately in final drafts.			

A-maze-ing Water

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.14.C - Make inferences and draw conclusions about effect of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.		7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8	8.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.		8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8	8.3.C - Represent the natural world using models and identify their limitations.		8.16.F - Spell accurately in final drafts.			
8	8.14.C - Describe how human activities have modified soil, water, and air quality.		8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Back to the Future

Theme: Water resources are managed.

Pages 253-259

Overview: Students analyze streamflow monitoring data to determine the safest location for a future community.

WET in the City Objectives: Students will (1) analyze and interpret streamflow data, and (2) identify the risks and benefits of development in a floodplain.

WET in the City Skills: Organizing (graphing); Interpreting.

Connected lessons: “Color Me a Watershed”, “Perspectives”, and “AfterMath”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6		6.8.B - Select and use appropriate units, tools, or formulas to measure and to solve problems involving length (including perimeter and circumference), area, time, temperature, capacity, and weight.		6.7.A - Identify and analyze ways people have adapted to the physical environment in selected places and regions.		
6		6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.		6.21.D - Identify different points of view about an issue or topic.		
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7		7.9 - Estimate measurements and solve application problems involving length (including perimeter and circumference), area, and volume.		7.9.C - Analyze the effects of physical and human factors such as climate, weather, landforms, irrigation, transportation, and communication on major events in Texas.		
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.		7.21.E - Support a point of view on a social studies issue or event.		
8		8.5.A - Estimate, find, and justify solutions to application problems using appropriate tables, graphs, and algebraic equations.				

Back to the Future

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

Brownfields

Theme: Water resources are managed.

Pages 260 - 271

Overview: Acting as members of a "neighborhood association," students propose a plan for cleaning up and redeveloping a brownfield site.

WET in the City Objectives: Students will (1) describe what brownfields are and their potential for redevelopment, (2) explore methods for brownfield cleanup, and (3) identify potential brownfields in their community and conceptualize desirable alternatives for using that land.

WET in the City Skills: Analyzing (comparing, formulating questions, contrasting, discussing); Interpreting (drawing conclusions); Presenting (writing, reporting)

Connected lessons: "Rainy-Day Hike," "A-Maze-ing Water," "Capture, Store and Release" for All"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		6.5.B - Demonstrate effective communication skills that reflect such demands as interviewing, reporting, requesting, and providing information.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.		6.4.B - Use critical thinking to research and evaluate health information.
6			6.5.F - Clarify and support spoken ideas with evidence, elaborations, and examples.	6.7.B - Identify and analyze ways people have modified the physical environment.		
6			6.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	6.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
6			6.15.C - Write to inform such as to explain, describe, report, and narrate.			
7	7.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		7.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	7.10.A - identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.		7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.		7.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	7.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		

Brownfields

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.15.A - Write to express, discover, record, develop, reflect on ideas, and to problem solve.	7.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.		8.8.D - Read to take action such as to complete forms, to make informed recommendations, and write a response.	8.30.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
8	8.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		8.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	8.32.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.14.C - Describe how human activities have modified soil, water, and air quality.		8.15.A - Write to express, discover, record, develop, reflect on ideas, and to problem solve.			

Choices and Preferences

Theme: Water resources exist within social constructs.

Pages 341-346

Overview: Students rank and compare different uses of water. The class develops a water index, and indication of the group’s feelings and values about water and its uses.

WET in the City Objectives: Students will analyze how people perceive the value of various water uses differently.

WET in the City Skills: Organizing (graphing); Analyzing (comparing and contrasting); Interpreting (drawing conclusions).

Connected lessons: “Water Works”, “Dilemma Derby”, “Perspectives”, and “Hot Water”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6		6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.				
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.	7.7.B - Graph translations on a coordinate plane.				
7		7.12.A - Describe a set of data using mean, median, mode, and range.				
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
8	8.14.C - Describe how human activities have modified soil, water, and air quality.	8.12.A - Select the appropriate measure of central tendency to describe a set of data for a particular purpose.				
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

Color Me a Watershed

Theme: Water is a natural resource.

Pages 171-179

Overview: Through an interpretation of maps, students observe how development can affect a watershed.

WET in the City Objectives: Students will (1) recognize that population growth and settlement cause changes in land use, and (2) analyze how land use variations in a watershed can affect the runoff of water.

WET in the City Skills: Gathering information (calculating); Analyzing (comparing); Interpreting (identifying cause and effect).

Connected lessons: “Rainy Day Hike” and “Capture, Store, and Release”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.14.B - Identify relationships between groundwater and surface water in a watershed.	6.3.C - Use ratios to make predictions in proportional situations.		6.4.C - Explain ways in which human migration influences the character of places and regions.		
6		6.8.B - Select and use appropriate units, tools, or formulas to measure and to solve problems involving length (including perimeter and circumference), area, time, temperature, capacity, and weight.		6.6.C - Analyze the effects of physical processes and the physical environment on humans.		
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7		7.3.A - Estimate and find solutions to application problems involving percent.		7.9.C - Analyze the effects of physical and human factors such as climate, weather, landforms, irrigation, transportation, and communication on major events in Texas.		
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.		7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modification.		
8		8.4 - Generate a different representation given one representation of data such as a table, graph, equation, or verbal description.		8.11.C - Analyze the effects of physical and human geographic factors on major historical and contemporary events in the United States.		

Color Me a Watershed

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.		8.12.A - Analyze how physical characteristics of the environment influenced population distribution, settlement patterns, and economic activities in the United States during the 18th and 19th centuries.		

Common Water

Theme: Water is a natural resource.

Pages 180-185

Overview: Students analyze the results of a simulation to understand that water is a shared resource and is managed.

WET in the City Objectives: Students will (1) illustrate how multiple users of water resources can affect water quality and quantity, and (2) examine the complexities of providing water for all water users.

WET in the City Skills: Analyzing; Applying (problem solving).

Connected lessons: “Water Works”, “Energetic Water”, “Water Meter”, Choices and Preferences, Water Index”, and “Every Drop Counts”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.3.C - Represent the natural world using models and identify their limitations.			6.7.C - Describe ways in which technology influences human capacity to modify the physical environment.		
7	7.3.C - Represent the natural world using models and identify their limitations.			7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.		
8	8.3.C - Represent the natural world using models and identify their limitations.			8.12.A - Analyze how physical characteristics of the environment influenced population distribution, settlement patterns, and economic activities in the United States during the 18th and 19th centuries.		

Design Away Floods

Theme: Water resources are managed.

Pages 272 - 278

Overview: After observing one way that development affects flooding, students work in small groups to design an urban community that reduces the risk of flooding.

WET in the City Objectives: Students will (1) understand the effects of flooding in urban areas, (2) recognize that development causes changes in land use, (3) identify how land use affects runoff and may cause flooding in urban areas, and (4) design a community that reduces the risk of flooding.

WET in the City Skills: Gathering Information (observing); Analyzing (discussing, comparing, contrasting); Interpreting (inferring, drawing conclusions, identifying cause and effect); Applying (designing, problem solving)

Connected lessons: "Rainy-Day Hike," "A-Maze-ing Water," "Capture, Store and Release"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.A - Demonstrate safe practices during field and laboratory investigations.	6.1.C - Use integers to represent real-life situations.	6.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.	Art 6.1.A - Illustrate themes from direct observation, personal experience, and traditional events.	6.4.B - Use critical thinking to research and evaluate health information.
6	6.2.A - Plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology.	6.8.B - Select and use appropriate units, tools, or formulas to measure and to solve problems involving length (including perimeter and circumference), area, time, temperature, capacity, and weight.	6.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	6.7.B - Identify and analyze ways people have modified the physical environment.		
6	6.2.B - Collect data by observing and measuring.	6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.	6.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning, as appropriate.	6.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
6	6.6.C - Identify forces that shape features of the Earth including uplifting, movement of water, and volcanic activity.	6.11.B - Use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.	6.24.A - Select, organize, or produce visuals to complement and extend meanings.			
7	7.2.A - Plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology.	7.11.B - Make inferences and convincing arguments based on an analysis of given or collected data.	7.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines or tables to address research questions.	7.9.C - Analyze the effects of physical and human factors such as climate, weather, landforms, irrigation, transportation, and communication on major events in Texas.	Art 7.1.A - Illustrate ideas from direct observation, imagination, personal experience, and school and community events.	7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.

Design Away Floods

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.2.B - Collect data by observing and measuring.	7.13.B - Use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.	7.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	7.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.	Art 7.2.A - Create artworks based on direct observations, personal experience, and imagination.	
7	7.14.A - Describe and predict the impact of different catastrophic events on the Earth.		7.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning.			
8	8.2.A - Plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology.	8.2.B - Add, subtract, multiply, and divide rational numbers in problem situations.	8.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.	8.10.A - Create thematic maps, graphs, charts, models, and databases representing various aspects of the United States.	Art 8.1.A - Illustrate ideas from direct observation, imagination, and personal experience and from experiences at school and community events.	8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.2.B - Collect data by observing and measuring.	8.14.B - Use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.	8.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	8.10.B - Pose and answer questions about geographic distributions and patterns shown on maps, graphs, charts, models, and databases.		
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.		8.24.A - Select, organize, or produce visuals to complement and extend meanings.	8.30.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
8	8.14.C - Describe how human activities have modified soil, water, and air quality.					

Dilemma Derby

Theme: Water resources exist within social constructs.

Pages 347-351

- Overview:** Students debate the pros and cons of different solutions to water management issues.
- WET in the City Objectives:** Students will (1) outline reasons why managing water resources can create dilemmas, and (2) identify, analyze, and select actions related to a water resource dilemma.
- WET in the City Skills:** Analyzing; Interpreting (translating, relating)
- Connected lessons:** “Idea Pools”, “Choices and Preferences, Water Index”, “Perspectives”, “Hot Water”, and “Whose Problem Is It?”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6				6.22.B - Incorporate main and supporting ideas in verbal and written communication.		
6				6.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
7				7.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
8				8.32.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		

Drop in the Bucket, A

Theme: Water is a natural resource.

Pages 186-189

Overview: By estimating and calculating the percent of available fresh water on Earth, students understand that this resource is limited and must be conserved.

WET in the City Objectives: Students will (1) calculate the percentage of fresh water available for human use, and (2) explain why water is a limited resource.

WET in the City Skills: Gathering information (observing, calculating); Organizing; Interpreting (drawing conclusions).

Connected lessons: “The Incredible Journey” and “Wet Vacation”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6		6.3.C - Use ratios to make predictions in proportional situations.				
6		6.8.A - Estimate measurements and evaluate reasonableness of results.				
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
8		8.3.B - Estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates.				
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

Energetic Water

Theme: Water is a natural resource.

Pages 190-193

Overview: Students invent devices or create activities that demonstrate how moving water can accomplish work.

WET in the City Objectives: Students will (1) identify the forms of energy in water, and (2) demonstrate how water can be used to do work.

WET in the City Skills: Gathering information (observing); Applying (designing, problem solving); Evaluating.

Connected lessons: “Hangin’ Together” and “Water in Motion”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.					
6	6.9.A - Identify energy transformations occurring during the production of energy for human use such as electrical energy to heat energy or heat energy to electrical energy.					
7	7.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.					
7	7.8.A - Illustrate examples of potential and kinetic energy in everyday life such as objects at rest, movement of geologic faults, and falling water.					
8	8.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.					
8	8.7.A - Demonstrate how unbalanced forces cause changes in the speed or direction of an object's motion.					

Environmental Justice

Theme: Water resources exist within social constructs.

Pages 352 - 362

Overview: Students propose actions to address environmental justice problems and then research neighborhoods in their community to uncover possible environmental justice issues.

WET in the City Objectives: Students will (1) examine the principle of environmental justice and grapple with some of the issues involved with compliance, (2) explore environmental justice in their community and propose actions to address local issues, and (3) investigate perceptions about their community's environmental health.

WET in the City Skills: Gathering Information (reading, researching, collecting); Organizing (charting, mapping); Analyzing (identifying patterns, formulating questions, discussing); Interpreting (summarizing, drawing conclusions); Applying (proposing solutions)

Connected lessons: "Water Actions" and "Whose Problem is It?"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.D - Communicate valid conclusions.	6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.	6.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.		6.4.B - Use critical thinking to research and evaluate health information.
6	6.4.B - Identify patterns in collected information using percent, average, range, and frequency.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	6.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.	6.7.B - Identify and analyze ways people have modified the physical environment.		6.6.A - Identify factors that affect an individual's physical, emotional, and social health such as school climate and safety measures.
6			6.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	6.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
6			6.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning, as appropriate.			
7	7.2.D - Communicate valid conclusions.	7.11.B - Make inferences and convincing arguments based on an analysis of given or collected data.	7.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	7.9.B - Compare places and regions of Texas in terms of physical and human characteristics.		7.3.B - Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.

Environmental Justice

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	7.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines or tables to address research questions.	7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.		7.4.C - Demonstrate ways to use health information to help self and others.
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.		7.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	7.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
7			7.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning.			
8	8.2.D - Communicate valid conclusions.	8.3.B - Estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates.	8.8.D - Read to take action such as to complete forms, to make informed recommendations, and write a response.	8.10.A - Create thematic maps, graphs, charts, models, and databases representing various aspects of the United States.		8.3.B - Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.	8.5.A - Estimate, find, and justify solutions to application problems using appropriate tables, graphs, and algebraic equations.	8.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.	8.10.B - Pose and answer questions about geographic distributions and patterns shown on maps, graphs, charts, models, and databases.		8.4.C - Demonstrate ways to use health information to help self and others.
8	8.14.C - Describe how human activities have modified soil, water, and air quality.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.13.H - Use compiled information and knowledge to raise additional, unanswered questions.	8.11.B - Compare places and regions of the United States in terms of physical and human characteristics.		8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8			8.24.A - Select, organize, or produce visuals to complement and extend meanings.	8.12.B - Describe the consequences of human modification of the physical environment of the United States.		
8				8.13.C - Analyze the causes and effects of economic differences among different regions of the United States at selected times in U.S. history.		

Environmental Justice

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8				8.24.B - Explain the relationship between urbanization and conflicts resulting from differences in religion, social class, and political beliefs.		
8				8.30.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		

Every Drop Counts

Theme: Water resources are managed.

Pages 279-282

Overview: Students identify and implement water conservation habits to learn how this essential resource can be shared with other water users of today and tomorrow.

WET in the City Objectives: Students will (1) determine how water conservation practices save water, (2) identify water conservation habits they can change or adopt, and (3) recognize that water conservation is important.

WET in the City Skills: Gathering information (observing, collecting, measuring); Analyzing (comparing); Applying; Evaluating.

Connected lessons: “A Drop in the Bucket” and “Water Meter”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.24.B - Produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports.			
7			7.24.B - Produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports.			
8			8.24.B - Produce communications using technology or appropriate media such as developing a class newspaper, multimedia reports, or video reports.			

From Source to City

Theme: Water is a natural resource.

Pages 194 - 206

Overview: Students explore the unique route of their drinking water from its source to release.

WET in the City Objectives: Students will (1) design a drinking water system using basic water transportation and treatment infrastructure and (2) creatively represent the path of drinking water from its source to their school.

WET in the City Skills: Gathering Information (reading, calculating); Organizing (sequencing, drawing, discussing); Applying (designing); Presenting

Connected lessons: "The Long Haul," "Reaching Your Limits," "A Grave Mistake," "Sparking Water," "Superbowl Surge," "Water Meter," and "Every Drop Counts"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.	6.1.C - Use integers to represent real-life situations.	6.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate	6.4.B - Identify and explain the geographic factors responsible for patterns of population in places and regions.	Art 6.1.A - Illustrate themes from direct observation, personal experience, and traditional events.	6.4.B - Use critical thinking to research and evaluate health information.
6	6.5.A - Identify and describe a system that results from the combination of two or more systems such as in the solar system.	6.2.C - Use multiplication and division of whole numbers to solve problems including situations involving equivalent ratios and rates.	6.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	6.4D - Identify and explain the geographic factors responsible for the location of economic activities in places and regions.	Music 6.4.A - Create rhythmic and melodic phrases.	6.6.A - Identify factors that affect an individual's physical, emotional, and social health such as school climate and safety measures.
6	6.14.B - Identify relationships between groundwater and surface water in a watershed.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	6.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning, as appropriate.	6.5.A - Explain factors such as location, physical features, transportation corridors and barriers, and distribution of natural resources that influence the economic development and foreign policies of societies.	Theatre 6.2.C - Select movements and dialogue to appropriately portray an imaginative character drawn from personal experience, heritage, literature, and history.	
6			6.15.C - Write to inform such as to explain, describe, report, and narrate.	6.6.A - Describe and explain how physical processes such as erosion, ocean circulation, and earthquakes have resulted in physical patterns on Earth's surface.		

From Source to City

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.15.F - Choose the appropriate form for his/her own purpose for writing, including journals, letters, editorials, reviews, poems, presentations, narratives, reports, and instructions.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.		
6				6.7.B - Identify and analyze ways people have modified the physical environment.		
6				6.8.A - Compare ways in which various societies organize the production and distribution of goods and services.		
6				6.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
6				6.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
7	7.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.	7.2.B - Use addition, subtraction, multiplication, and division to solve problems involving fractions and decimals.	7.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.	7.9.C - Analyze the effects of physical and human factors such as climate, weather, landforms, irrigation, transportation, and communication on major events in Texas.	Art 7.1.A - Illustrate ideas from direct observation, imagination, personal experience, and school and community events.	7.3.B - Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.	7.2.D - Use division to find unit rates and ratios in proportional relationships such as speed, density, price, recipes, and student teacher ratio.	7.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.	Art 7.2.A - Create artworks based on direct observations, personal experience, and imagination.	7.4.C - Demonstrate ways to use health information to help self and others.
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	7.11.B - Interpret text ideas through such varied means journal writing, discussion, enactment, and media.	7.20.D - Evaluate the effects of scientific discoveries and technological innovations on the use of resources such as fossil fuels, water, and land.	Art 7.2.B - Incorporate design into artworks for use in everyday life.	7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.

From Source to City

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.15.C - Write to inform such as to explain, describe, report, and narrate.	7.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.	Music 7.2.A - Perform independently with accurate intonation and rhythm, demonstrating fundamental skills and basic performance techniques.	
7			7.15.F - Choose the appropriate form for his/her own purpose for writing such as journals, letters, editorials, reviews, poems, memoirs, narratives, and instructions.	7.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.	Theatre 7.2.C - Select movements and dialogue to portray a character appropriately.	
8	8.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.	8.1.B - Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships.	8.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.	8.12.B - Describe the consequences of human modification of the physical environment of the United States.	Art 8.1.A - Illustrate ideas from direct observation, imagination, and personal experience and from experiences at school and community events.	8.3.B - Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
8	8.4.B - Extrapolate from collected information to make predictions.	8.2.B - Add, subtract, multiply, and divide rational numbers in problem situations.	8.8.D - Read to take action such as to complete forms, to make informed recommendations, and write a response.	8.28.B - Analyze the impact of transportation systems on the growth, development, and urbanization of the United States.	Art 8.2.B - Apply design skills to communicate effectively ideas and thoughts in everyday life.	8.4.C - Demonstrate ways to use health information to help self and others.
8	8.5.A - Identify a design problem and propose a solution.	8.10.B - Describe the resulting effect on volume when dimensions of a solid are changed proportionally.	8.11.B - Interpret text ideas through such varied means as journal writing, discussion, enactment, and media.	8.30.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.	Music 8.1.A - Demonstrate characteristic vocal or instrumental timbre individually and in groups.	8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.15.C - Write to inform such as to explain, describe, report, and narrate.	8.32.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.	Theatre 8.2.C - Portray characters through familiar movements and dialogue.	
8	8.14.C - Describe how human activities have modified soil, water, and air quality.		8.15.F - Choose the appropriate form for his/her own purpose for writing, including journals, letters, editorials, reviews, poems, memoirs, narratives, and instructions.			

Get the Ground Water Picture

Theme: Water connects all Earth systems.

Pages 114-121

Overview: Students will “get the ground water picture” and learn about basic ground water principles as they create their own geologic cross section or Earth window.

WET in the City Objectives: Students will (1) identify the parts of a ground water system, (2) compare movement of water through diverse substrates, and (3) relate different types of land uses to potential ground water contamination.

WET in the City Skills: Organizing (matching, charting); Analyzing (identifying patterns); Interpreting (inferring, translating).

Connected lessons: “The Incredible Journey” and “A Grave Mistake”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.E - Construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate data.	6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.		6.6.A - Describe and explain how physical processes such as erosion, ocean circulation, and earthquakes have resulted in physical patterns on Earth's surface.		
6	6.14.B - Identify relationships between ground water and surface water in a watershed.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7	7.2.E - Construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate data.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
8	8.2.E - Construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate data.	8.7.D - Locate and name points on a coordinate plane using ordered pairs of rational numbers.				

Get the Ground Water Picture

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

Grave Mistake, A

Theme: Water resources are managed.

Pages 283-287

Overview: Students analyze data to solve a mystery and identify a potential polluter.

WET in the City Objectives: Students will (1) analyze data to trace the flow of contaminants in ground water, and (2) conclude that past solutions, developed with the best of intentions, may create contemporary problems.

WET in the City Skills: Organizing (plotting); Interpreting (drawing conclusions); Analyzing

Connected lessons: “Get the Ground Water Picture”, “Poison Pump”, “No Bellyachers”, and “Super Sleuths”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6				6.6.C - Analyze the effects of physical processes and the physical environment on humans.		
6				6.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
7				7.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
8				8.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		

Great Water Journeys

Theme: Water is a natural resource.

Pages 207-214

- Overview:** Using a global map and a set of clue cards, students locate some significant water journeys.
- WET in the City Objectives:** Students will (1) locate a few of the diverse pathways water travels around the globe, and (2) describe how water provides an important mode of transportation for plants and animals.
- WET in the City Skills:** Gathering information (reading, listening, researching); Organizing (mapping); Applying (designing); Presenting.
- Connected lessons:** “The Incredible Journey”, “Wet Vacation”, and “A Drop in the Bucket”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.		6.15.C - Write to inform such as to explain, describe, report, and narrate.	6.3.B - Pose and answer questions about geographic distributions and patterns for selected world regions and countries shown on maps, graphs, charts, models, and databases.		
6			6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.		7.15.C - Write to inform such as to explain, describe, report, and narrate.	7.8.B - Pose and answer questions about geographic distributions and patterns in Texas during the 19th and 20th centuries.		

Great Water Journeys

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.		8.15.C - Write to inform such as to explain, describe, report, and narrate.	8.2.A - Identify reasons for European exploration and colonization of North America.		
8			8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.	8.10.B - Pose and answer questions about geographic distributions and patterns shown on maps, graphs, charts, models, and databases.		
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

H2O Heroes

Theme: Water exists within social constructs.

Pages 363 - 366

Overview: Students identify, research, and write about local people who have contributed to the conservation and health of their community's water resources.

WET in the City Objectives: Students will (1) identify and research local people who have contributed to conserving or preserving urban water resources and aquatic environments, and (2) describe the accomplishments and impact of these water heroes in written and oral presentations.

WET in the City Skills: Gathering Information (researching, interviewing, listening); Presenting (writing, public speaking)

Connected lessons: "The Best Use for Brownfields," "Environmental Justice for All," "Urban Waterway Checkup," "From Source to City," "Color Me a Watershed," "Perspectives," and "Whose Problem is It?"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.5.B - Demonstrate effective communication skills that reflect such demands as interviewing, reporting, requesting, and providing information.	6.2.A - Explain the significance of individuals or groups from selected societies, past and present.	Art 6.1.A - Illustrate themes from direct observation, personal experience, and traditional events.	6.4.B - Use critical thinking to research and evaluate health information.
6			6.5.F - Clarify and support spoken ideas with evidence, elaborations, and examples.	6.7.B - Identify and analyze ways people have modified the physical environment.		
6			6.13.C - Use multiple sources, including electronic texts, experts, and print resources, to locate information relevant to research questions.	6.13.A - Describe roles and responsibilities of citizens in selected contemporary societies including the United States.		
6			6.13.E - Summarize and organize information from multiple sources by taking notes, outlining ideas, and making charts.	6.14.A - Identify and explain the importance of voluntary civic participation in democratic societies.		
6			6.13.F - Produce research projects and reports in effective formats for various audiences.	6.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		

H2O Heroes

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning, as appropriate.	6.22.B - Incorporate main and supporting ideas in verbal and written communication.		
6			6.15.C - Write to inform such as to explain, describe, report, and narrate.	6.22.D - Create written and visual material such as journal entries, reports, graphic organizers, outlines, and bibliographies.		
6			6.18.A - Generate ideas and plans for writing by using prewriting strategies such as brainstorming, graphic organizers, notes, and logs.			
6			6.20.A - Frame questions to direct research.			
6			6.21.B - Correspond with peers or others via e-mail or conventional mail.			
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.		7.5.B - Demonstrate effective communications skills that reflect such demands as interviewing, reporting, requesting, and providing information.	7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.	Art 7.1.A - Illustrate ideas from direct observation, imagination, personal experience, and school and community events.	7.4.C - Demonstrate ways to use health information to help self and others.
7			7.5.F - Clarify and support spoken ideas with evidence, elaborations, and examples.	7.16.B - Identify civic responsibilities of Texas citizens.		7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
7			7.13.C - Use multiple sources, including electronic texts, experts, and print resources, to locate information relevant to research questions.	7.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
7			7.13.E - Summarize and organize information from multiple sources by taking notes, outlining ideas, and making charts.	7.22.D - Create written, oral, and visual presentations of social studies information.		

H2O Heroes

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.13.F - Produce research projects and reports in effective formats for various audiences.			
7			7.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning.			
7			7.15.C - Write to inform such as to explain, describe, report, and narrate.			
7			7.18.A - Generate ideas and plans for writing by using prewriting strategies such as brainstorming, graphic organizers, notes, and logs.			
7			7.20.A - Frame questions to direct research.			
7			7.21.B - Correspond with peers or others via e-mail or conventional mail.			
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.		8.5.B - Demonstrate effective communications skills that reflect such demands as interviewing, reporting, requesting, and providing information.	8.12.B - Describe the consequences of human modification of the physical environment of the United States.	Art 8.1.A - Illustrate ideas from direct observation, imagination, and personal experience and from experiences at school and community events.	8.4.C - Demonstrate ways to use health information to help self and others.
8	8.14.C - Describe how human activities have modified soil, water, and air quality.		8.5.F - Clarify and support spoken ideas with evidence, elaborations, and examples.	8.20.D - Identify examples of responsible citizenship, including obeying rules and laws, voting, and serving on juries.		8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8			8.13.C - Use multiple sources, including electronic texts, experts, and print resources, to locate information relevant to research questions.	8.24.E - Identify the political, social, and economic contributions of women to American society.		
8			8.13.E - Summarize, record and organize information from multiple sources by taking notes, outlining ideas, and making charts.	8.30.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		

H2O Heroes

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8			8.13.F - Produce research projects and reports in effective formats for various audiences.	8.31.D - Create written, oral, and visual presentations of social studies information.		
8			8.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning.			
8			8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8			8.18.A - Generate ideas and plans for writing by using prewriting strategies such as brainstorming, graphic organizers, notes, and logs.			
8			8.20.A - Frame questions to direct research.			
8			8.21.B - Correspond with peers or others via e-mail or conventional mail.			

H2Olympics

Theme: Water has unique physical and chemical characteristics.

Pages 39-43

Overview: Students compete in a Water Olympics to investigate two properties of water, adhesion and cohesion.

WET in the City Objectives: Students will (1) demonstrate adhesive and cohesive properties of water and (2) relate adhesion and cohesion to daily activities.

WET in the City Skills: Analyzing (formulating questions, identifying components and relationships.)

Connected lessons: “Hangin’ Together”, “Thirsty Plants”, and “Get the Ground Water Picture”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.B - Collect data by observing and measuring.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
6	6.4.A - Collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, etc.	6.11.B - Use a problem-solving model that incorporates understanding of the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.				
6	6.6.C - Identify forces that shape features of the Earth including uplifting, movement of water, and volcanic activity.	6.13.B - Validate his/her conclusions using mathematical properties and relationships.				
7	7.2.B - Collect data by observing and measuring.	7.9 - Estimate measurements and solve application problems involving length, area, and volume.				
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.	7.11.B - Make inferences and convincing arguments based on an analysis of given or collected data.				
7	7.2.D - Communicate valid conclusions.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

H2Olympics

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, etc.	7.13.B - Use a problem-solving model that incorporates understanding of the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.				
7		7.15.B - Validate his/her conclusions using mathematical properties and relationships.				
8	8.2.B - Collect data by observing and measuring.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
8	8.2.D - Communicate valid conclusions.	8.14.B - Use a problem-solving model that incorporates understanding of the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.				
8	8.4.A - Collect, record, and analyze information using tools such as beakers, petri dishes, etc.	8.16.B - Validate his/her conclusions using mathematical properties and relationships.				

Hangin' Together

Theme: Water has unique physical and chemical characteristics

Pages 44-51

Overview: Students mimic the water molecule’s special ability to hold onto other water molecules; they also present four properties of water that are critical to life on Earth.

WET in the City Objectives: Students will (1) illustrate the structure and intermolecular forces of the water molecule in relation to hydrogen bonding, (2) explain the role of hydrogen bonding and its relationship with some of the unique characteristics of water, (3) deduce how these unique molecular properties of water are critical to life on Earth.

WET in the City Skills: Gathering information (observing); Interpreting (inferring, translating); Presenting

Connected lessons: “H2Olympics”, “What’s the Solution?”, and “Water Models”.

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.7.A - Demonstrate that new substances can be made when two or more substances are chemically combined and compare the properties of the new substances to the original substances.					
6	6.7.B - Classify substances by their physical and chemical properties.					
7	7.7.A - Identify and demonstrate everyday examples of chemical phenomena such as rusting and tarnishing of metals and burning of wood.					
7	7.7.B - Classify substances by their physical and chemical properties.					
8	8.8.A - Describe the structure and parts of an atom.					
8	8.8.B - Identify the properties of an atom including mass and electrical charge.					
8	8.9.A - Demonstrate that substances may react chemically to form new substances.					
8	8.9.B - Interpret information on the periodic table to understand that physical properties are used to group elements.					

Hot Water

Theme: Water resources exist within social constructs.

Pages 367-370

Overview: Using debate strategies, students learn how to present a valid argument regarding a water-related issue.

WET in the City Objectives: Students will (1) apply basic principles and strategies in debating water resource issues, and (2) recognize the effectiveness of reason-based versus emotion-based presentations.

WET in the City Skills: Gathering information (researching); Organizing; Analyzing; Interpreting; Applying (designing, composing); Evaluating; Presenting (debating)

Connected lessons: “Whose Problem Is It?”, “Choices and Preferences, Water Index”, “Dilemma Derby”, "Perspectives", “Idea Pools”, and “Water Court”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7				7.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
7				7.27.C - Defend a point of view on an issue of historical or contemporary interest in Texas.		
8				8.30.E - Support a point of view on a social studies issue or event.		
8				8.32.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		

The Incredible Journey

Theme: Water connects all Earth systems.

Pages 122-126

- Overview:** With a roll of the die, students simulate the movement of water within the water cycle.
- WET in the City Objectives:** Students will (1) describe the movement of water within the water cycle, and (2) identify the states of water as it moves through the water cycle.
- WET in the City Skills:** Organizing (mapping); Analyzing (identifying components and relationships); Interpreting (describing).
- Connected lessons:** “Water Models” and “Get the Ground Water Picture”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.3.C - Represent the natural world using models and identify their limitations.		6.15.C - Write to inform such as to explain, describe, report, and narrate.	6.3.C - Compare selected world regions and countries using data from maps, graphs, charts, databases, and models.		
6			6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.3.C - Represent the natural world using models and identify their limitations.		7.15.C - Write to inform such as to explain, describe, report, and narrate.	7.9.B - Compare places and regions in Texas in terms of physical and human characteristics.		

The Incredible Journey

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.3.C - Represent the natural world using models and identify their limitations.		8.15.C - Write to inform such as to explain, describe, report, and narrate.	8.11.B - Compare places and regions in the United States in terms of physical and human characteristics.		
8	8.12.C - Predict the results of modifying the Earth's nitrogen, water, and carbon cycles.		8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Is There Water on Zork

Theme: Water has unique physical and chemical characteristics

Pages 52-55

Overview: Students describe the unique characteristics of water and design investigations to distinguish water from other clear liquids.

WET in the City Objectives: Students will (1) describe qualities that distinguish water from other clear liquids, (2) design an investigation to test characteristics of water, and (3) analyze the efficiency and effectiveness of the investigation.

WET in the City Skills: Applying (experimenting, designing, hypothesizing); Evaluating (testing, assessing); Presenting

Connected lessons: Any physics or chemistry lesson dealing with water.

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.A - Demonstrate safe practices during field and laboratory investigations.					
6	6.2.B - Collect data by observing and measuring.					
6	6.4.A - Collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, etc.					
6	6.7.B - Classify substances by their physical and chemical properties.					
7	7.1.A - Demonstrate safe practices during field and laboratory investigations.					
7	7.2.B - Collect data by observing and measuring.					
7	7.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, etc.					
8	8.1.A - Demonstrate safe practices during field and laboratory investigations.					
8	8.2.B - Collect data by observing and measuring.					

Leadbusters

Theme: Water resources are managed.

Pages 297 - 305

Overview: Students read a letter written in 1786 by Benjamin Franklin that describes his observations of how lead can affect people. They then research, create, and perform a drama about the hazards and health effects of lead from water and other sources, including ways to prevent lead poisoning.

WET in the City Objectives: Students will (1) identify the symptoms of lead poisoning, (2) develop a dramatic presentation about lead poisoning, and (3) understand how to prevent lead poisoning.

WET in the City Skills: Gathering Information (reading, researching); Organizing (listing, classifying); Interpreting (drawing conclusions); and Presenting (demonstrating, reporting)

Connected lessons: "Sum of the Parts," "In Water We Trust," and "Poison Pump"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		6.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.	6.2.A - Explain the significance of individuals or groups from selected societies, past and present.	Theatre 6.1.E - Imitate and synthesize life experiences in dramatic play.	6.4.B - Use critical thinking to research and evaluate health information.
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.		6.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.	Theatre 6.1.F - Create environments, characters, and actions.	6.6.A - Identify factors that affect an individual's physical, emotional, and social health such as school climate and safety measures.
6	6.2.D - Communicate valid conclusions.		6.15.C - Write to inform such as to explain, describe, report, and narrate.		Theatre 6.3.A - Define character, environment, action, and theme, using props, costumes, and visual elements collaboratively and safely.	6.6.B - Make healthy choices from among environmental alternatives such as leaving a smoke-filled room or selecting healthy snacks from vending machines.
6	6.12.B - Identify responses in organisms to external stimuli such as the presence or absence of heat or light.		6.18.D - Revise drafts for coherence, progression, and logical support of ideas.		Theatre 6.3.C - Plan brief dramatizations collaboratively.	
6					Theatre 6.3.D - Interact cooperatively with others in brief dramatizations.	

Leadbusters

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		7.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.	7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.	Theatre 7.3.B - Create elements of scenery, properties, lighting, sound, costume, makeup, and publicity appropriate to specific performances.	7.4.C - Demonstrate ways to use health information to help self and others.
7	7.2.D - Communicate valid conclusions.		7.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	7.17.C - Express and defend a point of view on an issue of historical or contemporary interest in Texas.		7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
7	7.11.B - Identify responses in organisms to external stimuli found in the environment such as the presence or absence of light.		7.15.C - Write to inform such as to explain, describe, report, and narrate.			
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.		7.18.D - Revise drafts for coherence, progression, and logical support of ideas.			
8	8.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		8.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.	8.4.B - Explain the roles played by significant individuals during the American Revolution, including Samuel Adams, Benjamin Franklin, King George III, Thomas Jefferson, the Marquis de Lafayette, Thomas Paine, and George Washington.	Theatre 8.1.E - Compare dramatic performances to life.	8.4.C - Demonstrate ways to use health information to help self and others.
8	8.2.D - Communicate valid conclusions.		8.8.D - Read to take action such as to complete forms, to make informed recommendations, and write a response.	8.20.D - Identify examples of responsible citizenship, including obeying rules and laws, voting, and serving on juries.		8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.		8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8	8.14.C - Describe how human activities have modified soil, water, and air quality.		8.18.D - Revise drafts for coherence, progression, and logical support of ideas.			

Life in the Fast Lane

Theme: Water is essential for all life to exist.

Pages 72-77

Overview: Through a scavenger hunt and investigations of temporary wetlands in their neighborhood, students learn the benefits of and challenges to organisms living in temporary wetlands.

WET in the City Objectives: Students will (1) describe physical and biological components of temporary wetlands, (2) recognize the importance of temporary wetlands to larger ecosystems, and (3) explain how organisms in temporary wetlands race against time to obtain water, shelter, food, and a mate.

WET in the City Skills: Gathering information (observing, collecting); Analyzing (identifying components and relationships, comparing, discussing).

Connected lessons: “The Incredible Journey” and “Capture, Store, and Release”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.A - Demonstrate safe practices during field and laboratory investigations.		6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6	6.2.B - Collect data by observing and measuring.		6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6	6.4.A - Collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, etc.		6.16.F - Spell accurately in final drafts.			
6	6.12.C - Identify components of an ecosystem to which organisms may respond.		6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.1.A - Demonstrate safe practices during field and laboratory investigations.		7.15.C - Write to inform such as to explain, describe, report, and narrate.			

Life in the Fast Lane

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.2.B - Collect data by observing and measuring.		7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7	7.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, meter sticks, etc.		7.16.F - Spell accurately in final drafts.			
7	7.12.A - Identify components of an ecosystem.		7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7	7.12.B - Observe and describe how organisms including producers, consumers, and decomposers live together in an environment and use existing resources.		7.18.H - Proofread his/her own writing and that of others.			
7	7.12.C - Describe how different environments support different varieties of organisms.		7.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.12.D - Observe and describe the role of ecological succession in ecosystems.					
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.					
8	8.1.A - Demonstrate safe practices during field and laboratory investigations.		8.15.C - Write to inform such as to explain, describe, report, and narrate.			

Life in the Fast Lane

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8	8.2.B - Collect data by observing and measuring.		8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8	8.4.A - Collect, record, and analyze information using tools including beakers, petri dishes, meter sticks, etc.		8.16.F - Spell accurately in final drafts.			
8	8.6.C - Describe interactions within an ecosystem.		8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8	8.14.A - Predict land features resulting from gradual changes such as mountain building, beach erosion, land subsidence, and continental drift.		8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Long Haul, The

Theme: Water is a natural resource.

Pages 215-216

Overview: Students work in teams to compete in a water-hauling game.

WET in the City Objectives: Students will (1) develop and awareness of various volumes of water, (2) appreciate today’s readily available water supplies, and (3) relate how easy access to water can encourage people to use large amounts of water.

WET in the City Skills: Gathering information (calculating); Interpreting (drawing conclusions); Organizing (estimating).

Connected lessons: “Water Meter”, “Water Concentration”, “Wish Book”, and “Every Drop Counts”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

Money Down the Drain

Theme: Water resources are managed.

Pages 306-310

Overview: Through observation and simple calculations, students learn that a dripping faucet wastes a valuable resource.

WET in the City Objectives: Students will (1) calculate the amount of water wasted by a dripping faucet, and (2) analyze the financial benefits of fixing leaking faucets.

WET in the City Skills: Gathering information (collecting data, measuring, calculating); Interpreting (inferring, drawing conclusions).

Connected lessons: “Water Meter”, “Reaching Your Limits”, “The Price is Right”, “Every Drop Counts”, and “Whose Problem Is It?”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.B - Collect information by observing and measuring.	6.2.C - Use multiplication and division of whole numbers to solve problems including situations involving equivalent ratios and rates.				
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7	7.2.B - Collect information by observing and measuring.	7.2.D - Use division to find unit rates and ratios in proportional relationships such as speed, density, price, recipes, and student-teacher ratio.				
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
8	8.2.B - Collect information by observing and measuring.	8.2.B - Add, subtract, multiply, and divide rational numbers in problem situations.				
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

No Bellyachers

Theme: Water is essential for all life to exist.

Pages 78-81

Overview: Students will participate in a series of demonstrations and a game of tag to show how illness-causing bacteria and viruses are spread by water.

WET in the City Objectives: Students will (1) recognize factors that contribute to avoiding a cold or influenza, (2) describe how some infectious diseases are spread by water or water droplets, and (3) identify ways to reduce the chances of becoming infected with a disease.

WET in the City Skills: Gathering information (calculating); Interpreting (relating).

Connected lessons: “Super Sleuths”, “Poison Pump”, and “Water Concentration”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.					6.3.A - Describe various modes of disease transmission.
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.					7/8.3.B -Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
8	8.2.C - Organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence.					7/8.3.C - Distinguish risk factors associated with communicable and noncommunicable diseases.

Pass the Jug

Theme: Water resources exist within social constructs.

Pages 371-375

Overview: Students simulate and analyze different water rights policies to learn how water availability and people’s proximity to the resource influence how water is allocated.

WET in the City Objectives: Students will (1) describe historical and current aspects of water rights, (2) illustrate how water rights are used to allocate water, and (3) evaluate water rights allocation systems.

WET in the City Skills: Organizing (formulating questions); Analyzing; Applying (problem solving).

Connected lessons: “A Drop in the Bucket”, “Wet Vacation”, “Hot Water”, “Perspectives”, and “Water Court”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6				6.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
7				7.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
8				8.32.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		

Perspectives

Theme: Water resources exist within social constructs.

Pages 376-378

Overview: Students analyze public values toward water issues to help them evaluate approaches to managing water resources.

WET in the City Objectives: Students will (1) recognize that people have differing values regarding water resource management issues, (2) evaluate strengths and weaknesses of proposed solutions to water resource management issues, and (3) describe purposes of diverse advocacy groups and summarize their similarities and differences.

WET in the City Skills: Gathering information (researching, listening); Organizing information (categorizing); Applying (decision making).

Connected lessons: “Choices and Preferences, Water Index”, “Whose Problem Is It?”, and “A Grave Mistake”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6		6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.				
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7	7.14.C - Make inferences and draw conclusions about effect of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.	7.7.B - Graph translations on a coordinate plane.				
7		7.12.A - Describe a set of data using mean, median, mode, and range.				
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
8	8.14.C - Describe how human activities have modified soil, water, and air quality.	8.12.A - Select the appropriate measure of central tendency to describe a set of data for a particular purpose.				
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				

Poison Pump

Theme: Water is essential for all life to exist.

Pages 82-87

Overview: Through a series of clues, students solve a mystery to discover that water can also produce negative effects for people.

WET in the City Objectives: Students will apply investigative methods used by epidemiologists to trace the source of contagious diseases.

WET in the City Skills: Analyzing (identifying patterns); Interpreting (identifying cause and effect).

Connected lessons: “Common Water”, “Super Sleuths”, and “No Bellyachers”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.					6.3.A - Describe various modes of disease transmission.
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.					7/8.3.B -Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
8	8.2.C - Organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence.					7/8.3.C - Distinguish risk factors associated with communicable and noncommunicable diseases.

Price is Right, The

Theme: Water resources are managed.

Pages 311-315

Overview: Students learn about economics and environmental planning as they calculate the cost of building a water development project.

WET in the City Objectives: Students will (1) calculate the costs involved in supplying clean water to consumers and removing wastewater, and (2) recognize that cost and environmental considerations influence the planning and construction of water projects.

WET in the City Skills: Gathering information (calculating, measuring); Analyzing (comparing and contrasting); Evaluating; Presenting.

Connected lessons: “Reaching Your Limits”, “Sparkling Water”, “Super Bowl Surge” and “Dilemma Derby”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8		8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.		8.30.H - Use appropriate mathematical skills to interpret social studies information such as maps and graphs.		

Raining Cats and Dogs

Theme: Water resources exist within cultural constructs.

Pages 399-405

- Overview:** Students analyze and interpret water sayings – through a card game, skits, pantomime, and creative writing – to compare figures of speech across cultures and climate zones.
- WET in the City Objectives:** Students will (1) distinguish between figurative and literal translations of various water sayings, and (2) analyze water-related sayings of diverse cultures.
- WET in the City Skills:** Gathering information (listening); Organizing (matching); Analyzing (identifying); Relationships and components (discussing).
- Connected lessons:** “The Rainstick”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.14.B - Determine distinctive and common characteristics of cultures through wide reading.			
7			7.14.B - Determine distinctive and common characteristics of cultures through wide reading.			
8			8.14.B - Determine distinctive and common characteristics of cultures through wide reading.			

Rainstick, The

Theme: Water resources exist within cultural constructs.

Pages 406-409

Overview: Students build a rainstick out of materials in their own environment and, like people of ancient cultures, imitate the sound of rain.

WET in the City Objectives: Students will (1) relate the sound produced by an instrument to the type and quantity of materials used in its construction, (2) recognize how other cultures create rainsticks from materials found within their own environments, and (3) imitate the sound of rain with various materials.

WET in the City Skills: Gathering information (listening); Organizing (manipulating materials); Analyzing (comparing and contrasting); Applying (building); Presenting.

Connected lessons: “The Thunderstorm”, “Water Celebration”, and “Raining Cats and Dogs”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6					6.5.B - Perform music representative of diverse cultures, including American and Texas heritage.	
7					7.5.B - Perform music representative of diverse cultures, including American and Texas heritage.	
8					8.5.B - Perform music representative of diverse cultures, including American and Texas heritage.	

Rainy-Day Hike

Theme: Water connects all Earth systems.

Pages 127-131

Overview: Students are introduced to the concept of watersheds by collecting data about water flowing over school grounds.

WET in the City Objectives: Students will (1) identify the watershed in which their school is located, and (2) explain the role the schoolyard plays in the watershed.

WET in the City Skills: Gathering information (collecting, observing); Organizing (mapping); Analyzing; Interpreting.

Connected lessons: “A-maze-ing Water” and “Sum of the Parts”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.A - Demonstrate safe practices during field and laboratory investigations.	6.8.B - Select and use appropriate units, tools, or formulas to measure and to solve problems involving length (including perimeter and circumference), area, time, temperature, capacity, and weight.	6.15.C - Write to inform such as to explain, describe, report, and narrate.	6.7.B - Identify and analyze ways people have modified the physical environment.		
6	6.2.E - Construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate information.		6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6	6.4.A - Collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, graduated cylinders, etc.		6.16.F - Spell accurately in final drafts.			
6	6.14.B - Identify relationships between ground water and surface water in a watershed.		6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.1.A - Demonstrate safe practices during field and laboratory investigations.	7.9 - Estimate measurements and solve application problems involving length (including perimeter and circumference), area, and volume.	7.15.C - Write to inform such as to explain, describe, report, and narrate.	7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.		

Rainy-Day Hike

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.2.E - Construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate information.		7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7	7.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, meter sticks, etc.		7.16.F - Spell accurately in final drafts.			
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.		7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.1.A - Demonstrate safe practices during field and laboratory investigations.	8.7.C - Use pictures or models to demonstrate the Pythagorean Theorem.	8.15.C - Write to inform such as to explain, describe, report, and narrate.	8.12.B - Describe the consequences of human modification of the environment of the United States.		
8	8.2.E - Construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate information.		8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8	8.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, meter sticks, etc.		8.16.F - Spell accurately in final drafts.			
8	8.14.C - Describe how human activities have modified soil, water, and air quality.		8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Reaching Your Limits

Theme: Water resources are managed.

Pages 316-319

Overview: Through a game of “limbo”, students experience the effort involved in meeting drinking-water quality standards.

WET in the City Objectives: Students will (1) describe the relationship between water quality and water treatment, and (2) be aware of the ratio of one to a million.

WET in the City Skills: Organizing (classifying); Analyzing (identifying relationships); Interpreting (summarizing).

Connected lessons: “Sum of the Parts”, “Rainy Day Hike”, “Sparkling Water”, and “The Price is Right”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6		6.3.A - Represent ratios and percents with concrete models, fractions, and decimals.		6.20.A - Give examples of scientific discoveries and technological innovations, including the roles of scientists and inventors, that have transcended the boundaries of societies and have shaped the world.	6.4.A - Create rhythmic and melodic phrases.	6.6.A - Identify factors that affect an individual's physical, emotional, and social health such as school, climate and safety measures.
6		6.8.D - Convert measures within the same measurement system (customary and metric) based on relationships between units.				
6		6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7	7.14.C - Make inferences and draw conclusions about effect of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.	7.2.F - Select and use appropriate operations to solve problems and justify the selections.		7.20 D - Evaluate the effects of scientific discoveries and technological innovations on the use of resources such as fossil fuels, water, and land.	7.4.A - Create increasingly complex rhythmic and melodic phrases.	
7		7.3.B - Estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, unit costs, and related measurement units.				

Reaching Your Limits

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7		7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7		7.14.A - Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.				
8	8.14.C - Describe how human activities have modified soil, water, and air quality.	8.2.A - Select and use appropriate operations to solve problems and justify the selections.		8.29.A - Compare the effects of scientific discoveries and technological innovations that have influenced daily life in different periods of United States history.	8.4.A - Create complex rhythmic and melodic phrases.	
8		8.3.B - Estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates.				

Recipe for Clean Water

Theme: Water is a natural resource.

Pages 217 - 225

Overview: Students examine labels of household products to learn what hazardous chemicals they may contain. They also try less toxic alternatives to reduce the amount of toxins that go down the drain.

WET in the City Objectives: Students will (1) describe the types of information that are found on the labels of hazardous household products, (2) test less toxic alternatives to these products, and (3) name ways that they could reduce the amount of toxic chemicals their household washes down the drain.

WET in the City Skills: Analyzing (identifying components); Interpreting (drawing conclusions); Applying (designing, experimenting)

Connected lessons: "Reaching Your Limits" and "Sparkling Water"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.A - Demonstrate safe practices during field and laboratory investigations.	6.1.C - Use integers to represent real-life situations.	6.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.	Art 6.1.A - Illustrate themes from direct observation, personal experience, and traditional events.	6.4.B - Use critical thinking to research and evaluate health information.
6	6.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.	6.2.C - Use multiplication and division of whole numbers to solve problems including situations involving equivalent ratios and rates.	6.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.		Art 6.2.A - Express a variety of ideas based on personal experience and direct observations.	6.6.A - Identify factors that affect an individual's physical, emotional, and social health such as school climate and safety measures.
6	6.2.B - Collect data by observing and measuring.	6.8.A - Estimate measurements and evaluate reasonableness of results.	6.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning, as appropriate.		Theatre 6.3.C - Plan brief dramatizations collaboratively.	6.6.B - Make healthy choices from among environmental alternatives such as leaving a smoke-filled room or selecting healthy snacks from vending machines.
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.	6.8.B - Select and use appropriate units, tools, or formulas to measure and to solve problems involving length (including perimeter and circumference), area, time, temperature, capacity, and weight.	6.15.C - Write to inform such as to explain, describe, report, and narrate.			

Recipe for Clean Water

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.D - Communicate valid conclusions.	6.8.D - Convert measures within the same measurement system (customary and metric) based on relationships between units.	6.24.A - Select, organize, or produce visuals to complement and extend meanings.			
6	6.3.B - Draw inferences based on data related to promotional materials for products and services.	6.10.D - Solve problems by collecting, organizing, displaying, and interpreting data.				
6	6.4.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.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
6	6.7.A - Demonstrate that new substances can be made when two or more substances are chemically combined and compare the properties of the new substances to the original substances.	6.13.B - Validate his/her conclusions using mathematical properties and relationships.				
7	7.1.A - Demonstrate safe practices during field and laboratory investigations.	7.2.B - Use addition, subtraction, multiplication, and division to solve problems involving fractions and decimals.	7.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.	Art 7.1.A - Illustrate ideas from direct observation, imagination, personal experience, and school and community events.	7.4.C - Demonstrate ways to use health information to help self and others.
7	7.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.	7.2.D - Use division to find unit rates and ratios in proportional relationships such as speed, density, price, recipes, and student teacher ratio.	7.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines or tables to address research questions.	7.17.C - Express and defend a point of view on an issue of historical or contemporary interest in Texas.	Art 7.2.A - Create artworks based on direct observations, personal experience, and imagination.	7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
7	7.2.B - Collect data by observing and measuring.	7.2.F - Select and use appropriate operations to solve problems and justify the selections.	7.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning.		Art 7.2.B - Incorporate design into artworks for use in everyday life.	

Recipe for Clean Water

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.	7.3.B - Estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, unit costs, and related measurement units.	7.15.C - Write to inform such as to explain, describe, report, and narrate.			
7	7.2.D - Communicate valid conclusions.	7.11.A - Select and use an appropriate representation for presenting collected data and justify the selection.	7.24.A - Select, organize, or produce visuals to complement and extend meanings.			
7	7.3.B - Draw inferences based on data related to promotional materials for products and services.	7.11.B - Make inferences and convincing arguments based on an analysis of given or collected data.				
7	7.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, hot plates, dissecting equipment, test tubes, safety goggles, spring scales, balances, microscopes, telescopes, thermometers, calculators, field equipment, computers, computer probes, timing devices, magnets, and compasses.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.				
7	7.7.C - Recognize that compounds are composed of elements.	7.15.B - Validate his/her conclusions using mathematical properties and relationships.				
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.					
8	8.1.A - Demonstrate safe practices during field and laboratory investigations.	8.1.B - Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships.	8.8.D - Read to take action such as to complete forms, to make informed recommendations, and write a response.	8.20.D - Identify examples of responsible citizenship, including obeying rules and laws, voting, and serving on juries.	8.1.A - Illustrate ideas from direct observation, imagination, and personal experience and from experiences at school and community events.	8.4.C - Demonstrate ways to use health information to help self and others.

Recipe for Clean Water

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8	8.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.	8.2.A - Select and use appropriate operations to solve problems and justify the selections.	8.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.		8.2.A - Create artworks integrating themes found through direct observation, personal experiences, and imagination.	8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.2.B - Collect data by observing and measuring	8.2.B - Add, subtract, multiply, and divide rational numbers in problem situations.	8.13.I - Present organized statements, reports, and speeches using visuals or media to support meaning.		Art 8.2.B - Apply design skills to communicate effectively ideas and thoughts in everyday life.	
8	8.2.C - Organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence.	8.3.B - Estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates.	8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8	8.2.D - Communicate valid conclusions.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.24.A - Select, organize, or produce visuals to complement and extend meanings.			
8	8.3.B - Draw inferences based on data related to promotional materials for products and services.	8.16.B - Validate his/her conclusions using mathematical properties and relationships.				
8	8.4.A - Collect, record, and analyze information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, hot plates, dissecting equipment, test tubes, safety goggles, spring scales, balances, microscopes, telescopes, thermometers, calculators, field equipment, computers, computer probes, water test kits, and timing devices.					
8	8.9.A - Demonstrate that substances may react chemically to form new substances.					

Recipe for Clean Water

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8	8.9.D - Identify that physical and chemical properties influence the development and application of everyday materials such as cooking surfaces, insulation, adhesives, and plastics.					
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.					
8	8.14.C - Describe how human activities have modified soil, water, and air quality.					

Sparkling Water

Theme: Water resources are managed.

Pages 320-324

Overview: Students develop strategies to remove contaminants from “wastewater”.

WET in the City Objectives: Students will (1) describe the processes for treating wastewater, (2) compare how water is cleaned in the water cycle to how it is cleaned in contemporary water treatment systems, and (3) list nontoxic household cleaning methods.

WET in the City Skills: Organizing (charting); Applying (predicting, experimenting); Evaluating (analyzing, testing).

Connected lessons: “The Incredible Journey”, “The Price is Right”, “and “Super Bowl Surge”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.A - Demonstrate safe practices during field and laboratory investigations.					
6	6.2.B - Collect information by observing and measuring.					
6	6.4.A - Collect, analyze, and record information using tools including beakers, petri dishes, weather instruments, timing devices, etc.					
7	7.1.A - Demonstrate safe practices during field and laboratory investigations.					
7	7.2.B - Collect information by observing and measuring.					
7	7.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, meter sticks, etc.					
8	8.1.A - Demonstrate safe practices during field and laboratory investigations.					
8	8.2.B - Collect data by observing and measuring.					
8	8.4.A - Collect, record, and analyze information using tools such as beakers, petri dishes, etc.					

Sum of the Parts

Theme: Water is a natural resource.

Pages 226-229

Overview: Students demonstrate how everyone contributes to the pollution of a river as it flows through a watershed and recognize that everyone’s “contribution” can be reduced.

WET in the City Objectives: Students will (1) distinguish between point and nonpoint source pollution, (2) recognize that everyone contributes to and is responsible for a river or lake’s water quality, and (3) identify Best Management Practices to reduce pollution.

WET in the City Skills: Gathering information (observing); Organizing (arranging); Interpreting (identifying cause and effect); Applying (proposing solutions).

Connected lessons: “A-maze-ing Water”, “Rainy Day Hike”, and “Common Water.”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.3.C - Represent the natural world using models and identify their limitations.			6.4.B - Identify and explain the geographic factors responsible for patterns of population in places and regions.		
7	7.3.C - Represent the natural world using models and identify their limitations.			7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.		
7	7.14.C - Make inferences and draw conclusions about effect of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.					
8	8.3.C - Represent the natural world using models and identify their limitations.			8.12.A - Analyze how physical characteristics of the environment influenced population distribution, settlement patterns, and economic activities in the United States during the 18th and 19th centuries.		
8	8.14.C - Describe how human activities have modified soil, water, and air quality.					

Super Bowl Surge

Theme: Water resources are managed.

Pages 325-331

Overview: Students do in-depth research and present action plans to solve the problem of increased demands on a community’s wastewater treatment plant.

WET in the City Objectives: Students will (1) illustrate how demands on some treatment plants cause overflow, (2) explain problems with sewage overflow, (3) propose solutions to a water management problem, and (4) recognize how presentation strategies influence public policy.

WET in the City Skills: Interpreting (defining problems); Applying (problem solving, proposing solutions); Evaluating; Presenting (public speaking, persuading, reporting).

Connected lessons: “Sparkling Water”, “The Price is Right”, and “Every Drop Counts”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.14.C - Make inferences and draw conclusions about effect of human activity on Earth's renewable, nonrenewable, and inexhaustible resources.					
8	8.14.C - Describe how human activities have modified soil, water, and air quality.					

Super Sleuths

Theme: Water is essential for all life to exist.

Pages 88-96

Overview: Students learn about the diversity of water-borne illnesses and the role of epidemiology in disease control by searching for others who have been “infected” with the same water-borne illness as they have.

WET in the City Objectives: Students will (1) identify the role of water in transmitting disease, (2) compare symptoms of several water-borne diseases, and (3) analyze the characteristics of environments that promote the transmission of these diseases around the world.

WET in the City Skills: Organizing (matching, recording); Analyzing (inferring, determining cause and effect); Interpreting (drawing conclusions).

Connected lessons: “Poison Pump”, and “No Bellyachers”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.			6.3.A - Create thematic maps, graphs, charts, models, and databases depicting various aspects of world regions and countries such as population, disease, and economic activities.		6.3.A - Describe various modes of disease transmission.
6	6.3.A - Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.					
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.			7.8.A - Create thematic maps, graphs, charts, models, and databases representing various aspects of Texas during the 19th and 20th centuries.		7/8.3.B - Analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
7	7.3.A - Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.					7/8.3.C - Distinguish risk factors associated with communicable and noncommunicable diseases.
8	8.2.C - Organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence.			8.10.B - Create thematic maps, graphs, charts, models, and databases representing various aspects of the United States.		

Super Sleuths

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8	8.3.A - Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.					

Thirsty Plants

Theme: Water is essential for all life to exist.

Pages 97-102

Overview: Through demonstration and field studies, students learn about transpiration and the significant role plants play in the water cycle.

WET in the City Objectives: Students will (1) explain how plants transport water through transpiration, (2) describe the importance of plants in the water cycle, and (3) recognize that certain plants are appropriate for xeriscaping.

WET in the City Skills: Gathering information (collecting, researching); Organizing (estimating, calculating); Analyzing (comparing); Applying (designing)

Connected lessons: “Water Models” and “H2Olympics”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.A - Demonstrate safe practices during field and laboratory investigations.	6.2.C - Use multiplication and division of whole numbers to solve problems including situations involving equivalent ratios and rates.	6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6	6.2.B - Collect data by observing and measuring.	6.2.D - Estimate and round to approximate reasonable results and to solve problems where exact answers are not required.	6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6	6.4.A - Collect, analyze, and record information using tools including beakers, petri dishes, etc.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	6.16.F - Spell accurately in final drafts.			
6	6.10.C - Identify how structure complements function at different levels of organization including organs, organ systems, organisms, and populations.		6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.1.A - Demonstrate safe practices during field and laboratory investigations.	7.2.F - Select and use appropriate operations to solve problems and justify the selections.	7.15.C - Write to inform such as to explain, describe, report, and narrate.			

Thirsty Plants

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.2.B - Collect data by observing and measuring.	7.3.B - Estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, unit costs, and related measurement units.	7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7	7.4.A - Collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, meter sticks, etc.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	7.16.F - Spell accurately in final drafts.			
7	7.9.B - Describe how organisms maintain stable internal conditions while living in changing external environments.		7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			7.18.H - Proofread his/her own writing and that of others.			
8			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.1.A - Demonstrate safe practices during field and laboratory investigations.	8.2.A - Select and use appropriate operations to solve problems and justify the selections.	8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8	8.2.B - Collect data by observing and measuring.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8	8.4.A - Collect, record, and analyze information using tools including beakers, petri dishes, meter sticks, etc.		8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Urban Waterway Checkup

Theme: Water is a natural resource.

Pages 230 - 237

Overview: Students learn about characteristics that are used to gauge the health of streams and rivers, and then apply their knowledge in analyzing the health of a hypothetical urban waterway.

WET in the City Objectives: Students will (1) understand that urban waterways, like living organisms, require certain things to be healthy, (2) identify characteristics used to gauge the health of a waterway, and (3) analyze the health of a typical urban waterway.

WET in the City Skills: Gathering Information (reading); Organizing (mapping, drawing); Analyzing (discussing); Interpreting (relating, inferring, drawing conclusions)

Connected lessons: "Rainy-Day Hike," "A-maze-ing Water," "Sum of the Parts," and "Acid Rain Reactions"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.		6.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	6.6.C - Analyze the effects of physical processes and the physical environment on humans.	Art 6.1.A - Illustrate themes from direct observation, personal experience, and traditional events.	6.4.B - Use critical thinking to research and evaluate health information.
6	6.5.A - Identify and describe a system that results from the combination of two or more systems such as in the solar system.		6.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.	6.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
6	6.12.B - Identify responses in organisms to external stimuli such as the presence or absence of heat or light.		6.15.A - Write to express, discover, record, develop, reflect on ideas, and to problem solve.	6.23.B - Use a decision-making process to identify a situation that requires a decision, gather information, identify options, predict consequences, and take action to implement a decision.		
6	6.12.C - Identify components of an ecosystem to which organisms may respond.		6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6			6.24.A - Select, organize, or produce visuals to complement and extend meanings.			
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.	7.11.B - Make inferences and convincing arguments based on an analysis of given or collected data.	7.8.D - Read to take action such as to complete forms, make informed recommendations, and write a response.	7.10.A - Identify ways in which Texans have adapted to and modified the environment and analyze the consequences of the modifications.	Art 7.1.A - Illustrate ideas from direct observation, imagination, personal experience, and school and community events.	7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.

Urban Waterway Checkup

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.11.B - Identify responses in organisms to external stimuli found in the environment such as the presence or absence of light		7.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines or tables to address research questions.	7.21.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
7	7.12.B - Observe and describe how organisms including producers, consumers, and decomposers live together in an environment and use existing resources.		7.15.C - Write to inform such as to explain, describe, report, and narrate.	7.23.B - Use a decision-making process to identify a situation that requires a decision, gather information, identify options, predict consequences, and take action to implement a decision.		
7	7.12.C - Describe how different environments support different varieties of organisms.		7.15.A - Write to express, discover, record, develop, reflect on ideas, and to problem solve.			
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.		7.24.A - Select, organize, or produce visuals to complement and extend meanings.			
8	8.2.C - Organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence.		8.8.D - Read to take action such as to complete forms, to make informed recommendations, and write a response.	8.10.A - Create thematic maps, graphs, charts, models, and databases representing various aspects of the United States.	Art 8.1.A - Illustrate ideas from direct observation, imagination, and personal experience and from experiences at school and community events.	8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.4.B - Extrapolate from collected information to make predictions.		8.13.D - Interpret and use graphic sources of information such as maps, graphs, timelines, or tables to address research questions.	8.10.B - Pose and answer questions about geographic distributions and patterns shown on maps, graphs, charts, models, and databases.		
8	8.5.C - Evaluate the model and make recommendations for improving the model.		8.15.C - Write to inform such as to explain, describe, report, and narrate.	8.30.C - Organize and interpret information from outlines, reports, databases, and visuals including graphs, charts, timelines, and maps.		
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.		8.15.A - Write to express, discover, record, develop, reflect on ideas, and to problem solve.	8.32.B - Use a decision-making process to identify a situation that requires a decision, gather information, identify options, predict consequences, and take action to implement a decision.		
8	8.14.C - Describe how human activities have modified soil, water, and air quality.		8.24.A - Select, organize, or produce visuals to complement and extend meanings.			

Water Address

Theme: Water is essential for all life to exist.

Pages 103-107

Overview: Students identify plants and animals and their habitats by analyzing clues that describe water-related adaptations aquatic and terrestrial organisms.

WET in the City Objectives: Students will recognize water-related adaptations of some plant and animals

WET in the City Skills: Organizing (matching); Analyzing (identifying components); Interpreting (summarizing); Applying.

Connected lessons: “Aqua Bodies”, “Wet Vacation”, and “Water Models”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.12.C - Identify components of an ecosystem to which organisms may respond.		6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6			6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.10.B - Compare traits of different species that enhance their survival and reproduction.		7.15.C - Write to inform such as to explain, describe, report, and narrate.			
7	7.12.C - Describe how different environments support different varieties of organisms.		7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			

Water Address

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8			8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8			8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Water Celebration

Theme: Water resources exist within cultural constructs.

Pages 410-413

Overview: Students plan a water celebration.

WET in the City Objectives: Students will (1) communicate their knowledge of water through a water celebration, (2) appreciate how some cultures celebrate water, and (3) plan and implement a school, community, or state water celebration.

WET in the City Skills: Gathering information; Analyzing (comparing, identifying patterns); Applying (planning, designing); Presenting.

Connected lessons: “The Rainstick”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6				6.19.A - Explain the relationship among religious ideas, philosophical ideas, and cultures.	6.5.B - Perform music representative of diverse cultures, including American and Texas heritage.	
7				7.19.A - Explain how the diversity of Texas is reflected in a variety of cultural activities, celebrations, and performances.	7.5.B - Perform music representative of diverse cultures, including American and Texas heritage.	
8					8.5.B - Perform music representative of diverse cultures, including American and Texas heritage.	

Water Concentration

Theme: Water resources exist within social constructs.

Pages 379-384

Overview: Through the familiar game of Concentration, students make a connection between modern and past water use practices and discuss how attitudes toward water changed as water use practices evolved.

WET in the City Objectives: Students will (1) analyze why water use practices have evolved over time, and (2) compare efficiency of past and present water use practices.

WET in the City Skills: Organizing (sequencing); Analyzing (identifying components and relationships); Presenting (writing).

Connected lessons: “Water Meter”, “The Long Haul”, “Wish Book”, and “Every Drop Counts”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.B - Collect information by observing and measuring.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6			6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.2.B - Collect information by observing and measuring.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	7.15.C - Write to inform such as to explain, describe, report, and narrate.			

Water Concentration

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.2.B - Collect information by observing and measuring.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8			8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Water Court

Theme: Water resources exist within social constructs.

Pages 385-392

Overview: Students learn how conflicts involving water quality and quantity (and other issues) can be resolved through mediation and litigation.

WET in the City Objectives: Students will (1) demonstrate how disputes regarding water quality and quantity can be settled through mediation or litigation, (2) develop and present an argument supporting their view relevant to a water-related issue, and (3) evaluate arguments presented by people on opposing sides of an issue.

WET in the City Skills: Applying; Evaluating; Presenting (debating, persuading, public speaking).

Connected lessons: “Pass the Jug”, “Sum of the Parts”, “Choices and Preferences, Water Index”, “Dilemma Derby”, “Perspectives”, and “Hot Water”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6				6.22.B - Incorporate main and supporting ideas in verbal and written communication.		
6				6.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
7				7.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		

Water Court

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8				8.32.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		

Water Meter

Theme: Water is a natural resource.

Pages 238-240

- Overview:** Students construct a “Water Meter” to keep track of their water use.
- WET in the City Objectives:** Students will become aware of their daily use of water.
- WET in the City Skills:** Gathering information (collecting data); Organizing (measuring, graphing).
- Connected lessons:** “A Drop in the Bucket”, “Common Water”, “Money Down the Drain”, “Water Works”, and “Every Drop Counts”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.B - Collect information by observing and measuring.	6.11.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6			6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.2.B - Collect information by observing and measuring.	7.13.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	7.15.C - Write to inform such as to explain, describe, report, and narrate.			

Water Meter

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.2.B - Collect information by observing and measuring.	8.14.A - Identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.	8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8			8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Water Models

WET in the City Objectives: Students will (1) recognize the role of condensation and evaporation in the water cycle, and (2) relate the water cycle to different climates and ecosystems around the world.

WET in the City Skills: Gathering information (observing, researching); Analyzing; Applying (making models); Presenting.

Connected lessons: “Wet Vacation”, “The Incredible Journey”, “The Rainstick”, and “Raining Cats and Dogs”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		6.15.C - Write to inform such as to explain, describe, report, and narrate.			
6	6.3.C - Represent the natural world using models and identify their limitations.		6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6	6.14.C - Describe components of the atmosphere, including oxygen, nitrogen, and water vapor, and identify the role of atmospheric movement in weather change.		6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7	7.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		7.15.C - Write to inform such as to explain, describe, report, and narrate.			
7	7.3.C - Represent the natural world using models and identify their limitations.		7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			

Water Models

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.1.B - Make wise choices in the use and conservation of resources and the disposal or recycling of materials.		8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8	8.3.C - Represent the natural world using models and identify their limitations.		8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Water Work Shuffle

Theme: Water resources are managed.

Pages 332 - 337

Overview: Students learn about different water resource occupations and place them in sequence - from water's source, to its delivery into homes, to its return to the environment.

WET in the City Objectives: Students will (1) sequence water-related occupations involved in transporting water to and from the home and (2) describe the various water resource careers.

WET in the City Skills: Gathering Information (interviewing); Organizing (sequencing); Analyzing

Connected lessons: "Water Works" and "Sparkling Water"

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.5.B - Demonstrate effective communication skills that reflect such demands as interviewing, reporting, requesting, and providing information.	6.21.B - Analyze information by sequencing, categorizing, identifying cause-and-effect relationships, comparing, contrasting, finding the main idea, summarizing, making generalizations and predictions, and drawing inferences and conclusions.	Art 6.1.A - Illustrate themes from direct observation, personal experience, and traditional events.	6.3.A - Describe various modes of disease transmission.
6			6.13.E - Summarize and organize information from multiple sources by taking notes, outlining ideas, and making charts.			6.4.B - Use critical thinking to research and evaluate health information.
6			6.15.C - Write to inform such as to explain, describe, report, and narrate.			6.6.A - Identify factors that affect an individual's physical, emotional, and social health such as school climate and safety measures.
6			6.24.A - Select, organize, or produce visuals to complement and extend meanings.			
7			7.5.B - Demonstrate effective communications skills that reflect such demands as interviewing, reporting, requesting, and providing information.	7.12.C - Explain the changes in the types of jobs and occupations that have resulted from the urbanization of Texas.	Art 7.1.A - Illustrate ideas from direct observation, imagination, personal experience, and school and community events.	7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.

Water Work Shuffle

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.13.E - Summarize and organize information from multiple sources by taking notes, outlining ideas, and making charts.	7.15.A - Describe the structure and functions of government at municipal, county, and state levels		
7			7.15.C - Write to inform such as to explain, describe, report, and narrate.	7.21.B - Analyze information by sequencing, categorizing, identifying cause-and-effect relationships, comparing, contrasting, finding the main idea, summarizing, making generalizations and predictions, and drawing inferences and conclusions.		
7			7.24.A - Select, organize, or produce visuals to complement and extend meanings.			
8			8.5.B - Demonstrate effective communications skills that reflect such demands as interviewing, reporting, requesting, and providing information.	8.30.B - Analyze information by sequencing, categorizing, identifying cause-and-effect relationships, comparing, contrasting, finding the main idea, summarizing, making generalizations and predictions, and drawing inferences and conclusions.	Art 8.1.A - Illustrate ideas from direct observation, imagination, and personal experience and from experiences at school and community events.	8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8			8.13.E – Summarize, record and organize information from multiple sources by taking notes, outlining ideas, and making charts.			
8			8.15.C - Write to inform such as to explain, describe, report, and narrate.			
8			8.24.A - Select, organize, or produce visuals to complement and extend meanings.			

Water Works

Theme: Water is a natural resource.

Pages 241-245

Overview: Students create a “water web” to illustrate the interdependence among water users and producers.

WET in the City Objectives: Students will (1) distinguish between direct and indirect uses of water, (2) illustrate the interconnectedness of water users in a community, and (3) demonstrate the complexity of resolving water shortages among interdependent community water users.

WET in the City Skills: Gathering information (observing); Analyzing (identifying components and relationships); Interpreting (inferring).

Connected lessons: “Common Water”, “Water Meter”, and “Choices and Preferences, Water Index”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6				6.6.B - Describe and explain the physical processes that produce renewable and nonrenewable natural resources such as fossil fuels, fertile soils, and timber.		
6				6.21.D - Identify different points of view about an issue or topic.		

Wet Vacation

Theme: Water connects all Earth systems.

Pages 148-153

Overview: After plotting annual precipitation and average temperatures, and researching climatic conditions of places around the country, students design attractive travel brochures.

WET in the City Objectives: Students will (1) identify factors that affect temperature and precipitation patterns, and (2) analyze how weather conditions influence tourism.

WET in the City Skills: Organizing (plotting data); Analyzing (comparing and contrasting, identifying components and relationships); Applying (designing); Presenting.

Connected lessons: “Idea Pools”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6			6.15.C - Write to inform such as to explain, describe, report, and narrate.	6.3.C - Compare selected world regions and countries using data from maps, graphs, charts, databases, and models.		
6			6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.	6.7.A - Identify and analyze ways people have adapted to the physical environment in selected places and regions.		
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			
7			7.15.C - Write to inform such as to explain, describe, report, and narrate.	7.9.B - Compare places and regions in Texas in terms of physical and human characteristics.		

Wet Vacation

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7			7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8			8.15.C - Write to inform such as to explain, describe, report, and narrate.	8.11.B - Compare places and regions in the United States in terms of physical and human characteristics.		
8			8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

What's the Solution

Theme: Water has unique physical and chemical characteristics

Pages 60-66

Overview:

While investigating the dissolving power of water, students solve a crime.

WET in the City Objectives:

Students will (1) discriminate solutions from other mixtures, and (2) demonstrate water's ability to dissolve solids, liquids, and gases.

WET in the City Skills:

Gathering information (observing, measuring); Interpreting (generalizing, drawing conclusions); Applying (problem solving).

Connected lessons:

“Molecules in Motion” and “Hangin’ Together”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.2.C - Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.		6.8.C - Read for varied purposes such as to be informed, to be entertained, to appreciate the writer's craft, and to discover models for his/her own writing.			
6	6.3.A - Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.		6.10.H - Draw inferences such as conclusions or generalizations and support them with text evidence and experience.			
6	6.7.B - Classify substances by their physical and chemical properties.		6.15.D - Write to entertain such as to compose humorous poems or short stories.			
6			6.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
6			6.16.F - Spell accurately in final drafts.			
6			6.17.B - Write in complete sentences, varying the types such as compound and complex to match meanings and purposes.			
6			6.18.H - Proofread his/her own writing and that of others.			
6			6.19.C - Evaluate how well his/her own writing achieves its purposes.			

What's the Solution

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.2.C - Organize, analyze, make inferences, and predict trends from direct and indirect evidence.		7.8.C - Read for varied purposes such as to be informed, to be entertained, to appreciate the writer's craft, and to discover models for his/her own writing.			
7	7.3.A - Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.		7.10.H - Draw inferences such as conclusions or generalizations and support them with text evidence and experience.			
7	7.7.A - Identify and demonstrate everyday examples of chemical phenomena such as rusting and tarnishing of metals and burning of wood.		7.15.D - Write to entertain such as to compose humorous poems or short stories.			
7			7.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation.			
7			7.16.F - Spell accurately in final drafts.			
7			7.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
7			7.18.H - Proofread his/her own writing and that of others.			
7			7.19.C - Evaluate how well his/her own writing achieves its purposes.			
8	8.2.C - Organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence.		8.8.C - Read for varied purposes such as to be informed, to be entertained, to appreciate the writer's craft, and to discover models for his/her own writing.			
8	8.3.A - Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.		8.10.H - Draw inferences such as conclusions or generalizations and support them with text evidence and experience.			

What's the Solution

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
8	8.9.D - Identify that physical and chemical properties influence the development and application of everyday materials such as cooking surfaces, insulation, adhesives, and plastics.		8.15.D - Write to entertain such as to compose humorous poems or short stories.			
8			8.16.B - Capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using hyphens, semicolons, colons, possessives, and sentence punctuation.			
8			8.16.F - Spell accurately in final drafts.			
8			8.17.A - Write in complete sentences, varying the types such as compound and complex sentences, and use appropriately punctuated independent and dependent clauses.			
8			8.18.H - Proofread his/her own writing and that of others.			
8			8.19.C - Evaluate how well his/her own writing achieves its purposes.			

Water Champion

Theme: Water education involves a variety of teaching strategies.

Pages 22 - 35

Overview: Through a simulated game show, students test their water knowledge and work as a class to further that knowledge.

WET in the City Objectives: Students will answer conceptual and general knowledge about water.

WET in the City Skills: Gathering Information (listening); Analyzing (comparing, discussing); Applying; Presenting

Connected lessons: This activity can be used to assess and extend any *WET in the City* activities.

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6	6.6.C - Identify forces that shape features of the Earth including uplifting, movement of water, and volcanic activity.	6.1.C - Use integers to represent real-life situations.	6.5.B - Demonstrate effective communication skills that reflect such demands as interviewing, reporting, requesting, and providing information.		Theatre 6.1.E - Imitate and synthesize life experiences in dramatic play.	6.4.B - Use critical thinking to research and evaluate health information.
6	6.8.B - Explain and illustrate the interactions between matter and energy in the water cycle and in the decay of biomass such as in a compost bin.		6.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.			6.6.A - Identify factors that affect an individual's physical, emotional, and social health such as school climate and safety measures.
6	6.14.B - Identify relationships between groundwater and surface water in a watershed.					
7	7.7.C - Recognize that compounds are composed of elements.		7.5.B - Demonstrate effective communications skills that reflect such demands as interviewing, reporting, requesting, and providing information.			7.3.B - analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
7	7.8.A - Illustrate examples of potential and kinetic energy in everyday life such as objects at rest, movement of geologic faults, and falling water.		7.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.			7.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.

Water Champion

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
7	7.14.A - Describe and predict the impact of different catastrophic events on the Earth.					
7	7.14.C - Make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.					
8	8.8.B - Identify the properties of an atom including mass and electrical charge.		8.5.B - Demonstrate effective communications skills that reflect such demands as interviewing, reporting, requesting, and providing information.			7.3.B - analyze risks for contracting specific diseases based on pathogenic, genetic, age, cultural, environmental, and behavioral factors.
8	8.10.B - Describe interactions among solar, weather, and ocean systems.		8.5.C - Present dramatic interpretations of experiences, stories, poems, or plays to communicate.			8.6.B - Describe the application of strategies for controlling the environment such as emission control, water quality, and waste management.
8	8.11.A - Identify that change in environmental conditions can affect the survival of individuals and of species.					
8	8.12.C - Predict the results of modifying the Earth's nitrogen, water, and carbon cycles.					
8	8.14.C - Describe how human activities have modified soil, water, and air quality.					

Whose Problem Is It

Theme: Water resources exist within social constructs.

Pages 393-396

Overview: Students analyze the scope and duration of a variety of water-related issues to understand the relationship between local and global issues.

WET in the City Objectives: Students will (1) analyze how water issues affect individuals as well as world populations, and how these issues can have long- and/or short-term implications, and (2) illustrate the scope and duration of water-related issues.

WET in the City Skills: Gathering information (listening and collecting); Organizing (classifying); Analyzing (comparing, discussing, and contrasting); Interpreting (defining problems, generalizing, drawing conclusions).

Connected lessons: “Perspectives”, “Idea Pools”, and “Water Actions”

Grade Level	Correlation to TEKS SCIENCE	Correlation to TEKS MATHEMATICS	Correlation to TEKS LANGUAGE ARTS	Correlation to TEKS SOCIAL STUDIES	Correlation to TEKS FINE ARTS	Correlation to TEKS HEALTH
6				6.22.B - Incorporate main and supporting ideas in verbal and written communication.		
6				6.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
7				7.23.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		
8				8.32.A - Use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution.		