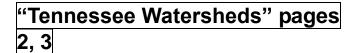
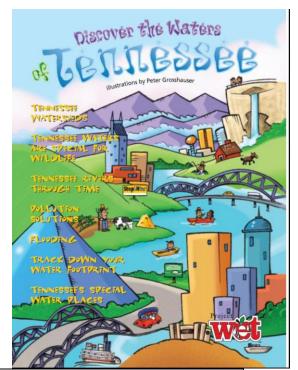
Discover the Waters of Tennessee

4th GRADE CORRELATION TO STATE STANDARDS





| SCIENCE | |
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| Embedded Inquiry | GLE 0407.Inq.1 Explore different scientific phenomena by asking |
| | questions, making logical predictions, planning investigations, and |
| | recording data |

"Tennessee Waters are Special for Wildlife" pages 4, 5

| SCIENCE | |
|-----------------------------------|---|
| Embedded Inquiry | GLE 0407.Inq.1 Explore different scientific phenomena by asking |
| | questions, making logical predictions, planning investigations, and |
| | recording data |
| Life Science - Interdependence | GLE 0407.2.1 Analyze the effects of changes in the environment on |
| | the stability of an ecosystem |
| | ☑ 0407.2.1 Analyze how an increase or decrease in competition or |
| | predation affects an ecosystem |
| | SPI 0407.2.1 Recognize the impact of predation and competition on |
| | an ecosystem |
| Life Science – Flow of | GLE 0407.3.2 Investigate different ways that organisms meet their |
| Matter and Energy | energy needs |
| | ☑0407.3.1 Create a food web that illustrates the energy |
| | relationships between plants and animals and the key issues or |
| | assumptions found in the model |
| | ☑0407.3.2 Classify organisms as carnivores, herbivores, or |
| | omnivores |
| | ☑0407.3.3 Identify how a variety of organisms meet their energy |
| | needs |
| | SPI 0407.3.1 Determine how different organisms function within an |
| | environment in terms of their location on an energy pyramid |
| Life Science – | GLE 0407.5.1 Analyze physical and behavioral adaptations that |
| Biodiversity and Change | enable organisms to survive in their environment |
| Onango | ☑0407.5.1 Classify animals according to their physical adaptations |
| | for obtaining food, oxygen, and surviving within a particular |
| | environment |
| | ☑0407.5.2 Describe how animal behaviors such as migration, |
| | defense, means of locomotion, and hibernation enable them to |
| | survive in an environment |
| | ☑0407.5.3 Investigate tropisms that plants exhibit in response to |
| | changes in their environment |
| | SPI 0407.5.1 Determine how a physical or behavioral adaptation |
| | can enhance the chances of survival |

"Tennessee Rivers through Time" pages 6, 7

| SCIENCE | |
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| Life Science – | GLE 0407.5.2 Describe how environmental changes caused the |
| Biodiversity and | extinction of various plant and animal species |
| Change | ✓0407.5.4 Gather fossil information to draw conclusions about |
| | |
| COCIAI | organisms that exist today |
| SOCIAL STUDIES | |
| Culture | Culture encompasses similarities and differences among people |
| | including their beliefs, knowledge, changes, values, and traditions. |
| | Students will explore these elements of society to develop an |
| | appreciation and respect for the variety of human cultures. |
| Content Standard 1.0 | 4.1.01 Understand the diversity of human cultures |
| | a. Describe cultures of Native American tribes |
| | b. Explain how European settlers created a new culture |
| | 4.1.02 Discuss cultures and human patterns of places and regions of |
| | the world |
| | b.Compare how people from different cultures think about and |
| | handle their physical environments and social conditions |
| | 4.1.03 Recognize the contributions of individuals and people of |
| | various ethnic, racial, religious, and socioeconomic groups to the |
| | development of civilizations |
| | 4.1.04 Understand the contributions of individuals and people of |
| | various ethnic, racial, religious and socioeconomic groups to |
| | Tennessee |
| | a.Identify the similarities and differences within and among |
| | selected racial, ethnic and religious groups in Tennessee |
| | b.Identify customs, celebrations, and traditions of various cultures |
| | groups in early Tennessee |
| | c.Summarize the contributions of people of various racial, ethnic |
| | and religious groups to the development of early Tennessee |
| | 4.1.spi.1 Identify pre-Colonial Native American groups |
| | 4.1.spi.5 Identify various racial and ethnic groups in Tennessee at |
| | the founding of statehood |
| | _ |
| | 4.1.tpi.1 Discovery the story the early Tennessee settlers in the |
| | formation of the Wautaga settlement 4.1 tpi 2 Discuss the importance of forts such as Fort Loudon in the |
| | 4.1.tpi.2 Discuss the importance of forts such as Fort Loudon in the |
| | development of the emerging Tennessee community and the lives of |
| | the soldiers |
| | 4.1.tpi.7 Write or give an oral report about early American Spanish |

| missions |
|--|
| 4.1.tpi.8 Create and/or perform a play based upon explorers coming |
| to North America and meeting Native Americans |

| Economics | Globalization of the economy, the explosion of population growth, |
|----------------------|--|
| | technological changes and international competition compel students |
| | to understand both personally and globally production, distribution, |
| | and consumption of goods and services. Students will examine and |
| | analyze economic concepts such as basic needs versus wants, using |
| | versus saving money and policy making versus decision making. |
| Content Standard 2.0 | 4.2.02 Give examples of the interaction of groups, businesses, and |
| | governments in a market economy |
| | a. Explain the economic patterns of various early Native American |
| | groups in Tennessee and the Western Hemisphere |
| | c. Explain the economic patterns of early European colonial |
| | governments and their relationships with foreign governments |
| | 4.2.04 Understand the development of economics within Tennessee |
| | and early America |
| | Identify the economic motivations for European exploration and |
| | settlement in Tennessee and the Western Hemisphere |
| | b. Examine the location, distribution, and patterns of economic |
| | activities and of settlement in Tennessee |
| | c. Evaluation the effects of supply and demand on business, |
| | industry, and agriculture, including the plantation system, in |
| | Tennessee and various regions |
| | 4.2.spi.2 Interpret a chart of major agricultural produce in |
| | Tennessee |
| | 4.2.spi.5 Analyze the impact of European exploration and |
| | colonization on the economy of Tennessee |
| Geography | Geography enables the students to see, understand and appreciate |
| | the web of relationships between people, places, and environments. |
| | Students will use the knowledge, skills, and understanding of |
| | concepts within the six essential elements of geography: world in |
| | spatial terms, places and regions, physical systems, human systems, |
| | environment and society, and the uses of geography. |
| Content Standard 3.0 | 4.3.04 Understand the geographic factors that determined the |
| | |

| locations of and patterns of settlements in Tennessee |
|--|
| a. Explain how the patterns and processes of migration affect the |
| development of Tennessee |
| b. Explain how environmental issues such as water supply, air |
| quality, and solid waste confronted humans when settling Tennessee |
| 4.3.spi.3 Recognize the reasons settlements are founded on major |
| river systems |

"Pollution Solution" pages 8, 9

| SCIENCE | |
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| Embedded Inquiry | GLE 0407.Inq.1 Explore different scientific phenomena by asking |
| | questions, making logical predictions, planning investigations, and |
| | recording data |
| Life Science – Biodiversity and Change | GLE 0407.5.2 .Describe how environmental changes caused the |
| | extinction of various plant and animal species |
| | ☑ 0407.5.5 Analyze the common causes of extinction and explain |
| | how human actions sometimes result in the extinction of a species |
| | |

"Flooding" pages 10, 11

| SCIENCE | |
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| Embedded Inquiry | GLE 0407.Inq.1 Explore different scientific phenomena by asking |
| | questions, making logical predictions, planning investigations, and |
| | recording data |
| | GLE 0407.Inq.4.Identify and interpret simple patterns of evidence to |
| | communicate the findings of multiple investigations |
| | ☑ 0407.Inq.4 Analyze and communicate findings from multiple |
| | investigations of similar phenomena to reach a conclusion |
| | SPI 0407.Inq.1 Select an investigation that could be used to answer |
| | a specific question |
| Life Science – | GLE 0407.5.2 Describe how environmental changes caused the |
| Biodiversity and Change | extinction of various plant and animals species |
| Griange | ☑ 0407.5.5 Analyze the common causes of extinction and explain |
| | how human actions sometimes result in the extinction of a species |
| | SPI 0407.5.2 Infer the possible reasons why a species became |
| | endangered or extinct |
| MATH | |
| Strand 19: Tables, | A. Identify correct information from tables, bar graphs, pictographs, |
| Graphs and Charts | and charts |
| | B. Create bar graphs and pictographs from data in tables and charts |
| Strand 24: Classification and Logical Reasoning | A. Solve logic, counting and classification problems involving the |
| | organization of data |
| | B. Sort or classify objects and draw logical conclusions from data |
| | including Venn diagrams and transitive reasoning questions |

"Track Down Your Water Footprint" pages 12, 13

| SCIENCE | |
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| SCIENCE | |
| Embedded Inquiry | GLE 0407.Inq.1 Explore different scientific phenomena by |
| | asking questions, making logical predictions, planning |
| | investigations, and recording data |
| | GLE 0407.Inq.3 Organize data into appropriate tables, graphs, |
| | drawings, or diagrams |
| | ☑ 0407.Inq.1 Identify specific investigations that could be used |
| | to answer a particular question and identify reasons for this choice |
| | SPI 0407.Inq.1 Select an investigation that could be used to |
| | answer a specific question |
| Life Science – | GLE 0407.5.2 Describe how environmental changes caused the |
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| Strand 19: Tables, | A. Identify correct information from tables, bar graphs, |
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| | charts |
| Strand 24: Classification and Logical Reasoning | A. Solve logic, counting and classification problems involving the |
| | organization of data |
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| | including Venn diagrams and transitive reasoning questions |

Please: share your feedback and reward your class with a Certificate of Completion!!



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