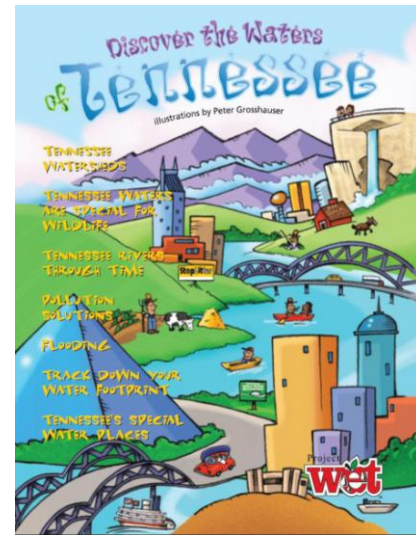


Discover the Waters of Tennessee

7th GRADE



“Tennessee Watersheds” pages 2,

3

<p>SCIENCE</p>	
<p>Earth and Space Science – The Earth</p>	<p>GLE 0707.7.2 Summarize the basic events that occur during the rock cycle</p> <p>GLE 0707.7.3 Analyze the characteristics of the earth’s layers and the location of the major plates</p> <p>GLE 0707.7.4 Explain how earthquakes, mountain building, volcanoes, and sea floor spreading are associated with movements of the earth’s major plates</p> <p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land, oceans, and atmosphere</p> <p><input checked="" type="checkbox"/> 0707.7.3 Distinguish among sedimentary, igneous, and metamorphic rocks and relate these to a simple diagram of the rock cycle</p> <p><input checked="" type="checkbox"/> 0707.7.4 Recognize that the earth’s layers have different thickness, states of matter, densities, and chemical makeup</p> <p><input checked="" type="checkbox"/> 0707.7.6 Analyze the relationship between plate movements and mountain building</p> <p><input checked="" type="checkbox"/> 0707.7.9 Evaluate how human activities affect the condition of the earth’s land, water, and atmosphere</p> <p>SPI 0707.7.2 Label a diagram that depicts the three different rock types</p> <p>SPI 0707.7.6 Describe the relationship between plate movements and earthquakes, mountain building, volcanoes, and sea floor spreading</p>

“Tennessee Waters are Special for Wildlife” pages 4, 5

SCIENCE	
Earth and Space Science – The Earth	<p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land, oceans, and atmosphere</p> <p><input checked="" type="checkbox"/>0707.7.9 Evaluate how human activities affect the condition of the earth’s land, water, and atmosphere</p> <p>SPI 0707.7.7 Analyze and evaluate the impact of man’s use of earth’s land, water, and atmospheric resources</p>

“Tennessee Rivers through Time” pages 6, 7

SCIENCE	
Embedded Technology & Engineering	<p>GLE 0707.T/E.1 Explore how technology responds to social, political, and economic needs</p> <p>GLE 0707.T/E.2 Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting</p>
Earth and Space Science – The Earth	<p>GLE 0707.7.5 Differentiate between renewable and nonrenewable resources in terms of their use by man</p> <p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land, oceans, and atmosphere</p> <p><input checked="" type="checkbox"/>0707.7.8 Determine the impact of man’s use of renewable and nonrenewable resources on future supplies</p> <p><input checked="" type="checkbox"/>0707.7.9 Evaluate how human activities affect the condition of the earth’s land, water, and atmosphere</p> <p>SPI 0707.7.7 Analyze and evaluate the impact of man’s use of earth’s land, water, and atmospheric resources</p>

“Pollution Solution” pages 8, 9

SCIENCE	
Embedded Inquiry	<p>GLE 0707.Inq.3 Synthesize information to determine cause and effect relationships between evidence and explanations</p> <p>SPI 0707.Inq.3 Interpret and translate data into a table, graph, or diagram</p> <p>SPI 0707.Inq.4 Draw a conclusion that establishes a cause and effect relationship supported by evidence</p>
Earth and Space Science – The Earth	<p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land,</p>

	<p>oceans, and atmosphere</p> <p><input checked="" type="checkbox"/>0707.7.8 Determine the impact of man's use of renewable and nonrenewable resources on future supplies</p> <p><input checked="" type="checkbox"/>0707.7.9 Evaluate how human activities affect the condition of the earth's land, water, and atmosphere</p> <p>SPI 0707.7.7 Analyze and evaluate the impact of man's use of earth's land, water, and atmospheric resources</p>
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“Flooding” pages 10, 11

SCIENCE	
Embedded Inquiry	<p>GLE 0707.Inq.2. Use appropriate tools and techniques to gather, organize, analyze, and interpret data</p> <p>GLE 0707.Inq.3 Synthesize information to determine cause and effect relationships between evidence and explanations</p> <p>GLE 0707.Inq.5 Communicate scientific understanding using descriptions, explanations and models</p> <p><input checked="" type="checkbox"/>0707.Inq.3 Use evidence from a dataset to determine cause and effect relationships that explain a phenomenon</p> <p>SPI 0707.Inq.3 Interpret and translate data in a table, graph, or diagram</p> <p>SPI 0707.Inq.4 Draw a conclusion that establishes a cause and effect relationship supported by evidence</p>
Earth and Space Science – The Earth	<p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land, oceans, and atmosphere</p> <p>SPI 0707.7.7 Analyze and evaluate the impact of man’s use of earth’s land, water, and atmospheric resources</p>
MATH	
Strand 19: Tables, Graphs and Charts	<p>A. Identify correct information from tables, graphs, and charts</p> <p>B. Create bar graphs, line graphs and stem-and-leaf plots from data in tables and charts</p>
Strand 20: Statistics and Data Analysis	<p>A. Draw reasonable conclusions from data in tables, graphs, and charts</p> <p>B. State a conclusion and explain why an answer is or is not reasonable based on the data</p> <p>C. Solve problems involving means, medians, modes, and ranges of sets of data</p>

“Track Down Your Water Footprint” pages 12, 13

SCIENCE	
Embedded Inquiry	<p>GLE 0707.Inq.2. Use appropriate tools and techniques to gather, organize, analyze, and interpret data</p> <p>GLE 0707.Inq.4 Recognize possible sources of bias and error, alternative explanations, and questions for further exploration</p> <p>GLE 0707.Inq.5 Communicate scientific understanding using descriptions, explanations and models</p> <p><input checked="" type="checkbox"/> 0707.Inq.3 Use evidence from a dataset to determine cause and effect relationships that explain a phenomenon</p> <p>SPI 0707.Inq.3 Interpret and translate data in a table, graph, or diagram</p> <p>SPI 0707.Inq.4 Draw a conclusion that establishes a cause and effect relationship supported by evidence</p>
Earth and Space Science – The Earth	<p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land, oceans, and atmosphere</p> <p><input checked="" type="checkbox"/> 0707.7.8 Determine the impact of man’s use of renewable and nonrenewable resources on future supplies</p> <p><input checked="" type="checkbox"/> 0707.7.9 Evaluate how human activities affect the condition of the earth’s land, water, and atmosphere</p> <p>SPI 0707.7.7 Analyze and evaluate the impact of man’s use of earth’s land, water, and atmospheric resources</p>
MATH	
Strand 19: Tables, Graphs and Charts	<p>A. Identify correct information from tables, graphs, and charts</p> <p>B. Create bar graphs, line graphs and stem-and-leaf plots from data in tables and charts</p>
Strand 20: Classification and Logical Reasoning	<p>A. Draw reasonable conclusions from data in tables, graphs, and charts</p> <p>B. State a conclusion and explain why an answer is or is not reasonable based on the data</p> <p>C. Solve problems involving means, medians, modes, and ranges of sets of data</p>

“Tennessee Special Water Places” pages 14, 15

SCIENCE	
Earth and Space Science – The Earth	<p>GLE 0707.7.2 Summarize the basic events that occur during the rock cycle</p> <p>GLE 0707.7.6 Evaluate how human activities affect the earth’s land, oceans, and atmosphere</p> <p><input checked="" type="checkbox"/>0707.7.4 Recognize that the earth’s layers have different thickness, states of matter, densities, and chemical makeup</p> <p><input checked="" type="checkbox"/>0707.7.8 Determine the impact of man’s use of renewable and nonrenewable resources on future supplies</p> <p><input checked="" type="checkbox"/>0707.7.9 Evaluate how human activities affect the condition of the earth’s land, water, and atmosphere</p> <p>SPI 0707.7.2 Label a diagram that depicts the different rock types</p> <p>SPI 0707.7.7 Analyze and evaluate the impact of man’s use of earth’s land, water, and atmospheric resources</p>

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



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MTSU 's Center for Environmental Education

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