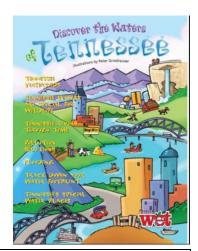
Discover the Waters of Tennessee

8th GRADE



"Tennessee Watersheds" pages 2, 3

SCIENCE	
Embedded Inquiry	GLE 0807.Inq.5 Communicate scientific understanding using
	descriptions, explanations, and models
	SPI 0807.Inq.3 Interpret and translate data into a table, graph, or
	diagram

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

SCIENCE	
Embedded Inquiry	GLE 0807.Inq.5 Communicate scientific understanding using
	descriptions, explanations, and models
	SPI 0807.lnq.3 Interpret and translate data into a table, graph, or
	diagram
Life Science – Biodiversity and Change	GLE 0807.5.3 Analyze how structural, behavioral, and physiological
	adaptations within a population enable it to survive in a given
	environment
	GLE 0807.5.5 Describe the importance of maintaining the earth's
	biodiversity d atmosphere
	☑0807.5.3 Compare and contrast the ability of an organism to
	survive under different environmental conditions
	☑0807.5.4 Collect and analyze data relating to variation within a
	population of organisms
	☑0807.5.5 Prepare a poster that illustrates the major factors
	responsible for reducing the amount of global biodiversity

"Tennessee Rivers through Time" pages 6, 7

SCIENCE	
Embedded Inquiry	GLE 0807.Inq.5 Communicate scientific understanding using
	descriptions, explanations, and models
	SPI 0807.Inq.3 Interpret and translate data into a table, graph, or
	diagram
Embedded	GLE 0807.T/E.1 Explore how technology responds to social,
Technology & Engineering	political, and economic needs
Linginicoming	GLE 0807.T/E.3 Compare the intended benefits with the unintended
	consequences of a new technology
Life Science –	GLE 0807.5.6 Investigate fossils in sedimentary rock layers to
Biodiversity and Change	gather evidence of changing life forms
	☑0807.5.6 Prepare graphs that demonstrate how the amount of
	biodiversity has changed in a particular continent or biome
	☑0807.5.7 Create a timeline that illustrates the relative ages of
	fossils in sedimentary rock layers
	SPI 0807.5.2 Analyze structural, behavioral and physiological
	adaptations to predict which populations are likely to survive in a
	particular environment
	SPI 0807.5.3 Analyze data on levels of variation within a population
	to make predictions about survival under particular environmental
	conditions
	SPI 0807.5.4 Identify several reasons for the importance of
	maintaining the earth's biodiversity
	SPI 0807.5.5 Compare fossils found in sedimentary rock to
	determine their relative age

"Pollution Solution" pages 8, 9

SCIENCE	
Embedded Inquiry	GLE 0807.Inq.5 Communicate scientific understanding using
	descriptions, explanations, and models
	SPI 0807.Inq.3 Interpret and translate data into a table, graph, or
	diagram

"Flooding" pages 10, 11

SCIENCE	
Embedded Inquiry	GLE 0807.Inq.2.Use appropriate tools and techniques to gather,
	organize, analyze, and interpret data
	GLE 0807.Inq.3 Synthesize information to determine cause and
	effect relationships between evidence and explanations
	☑0807.Inq.2 Identify tools and techniques needed to gather,
	organize, analyze, and interpret data collected from a moderately
	complex scientific investigation
	☑0807.Inq.3 Use evidence from a dataset to determine cause and
	effect relationships that explain a phenomenon
	☑0807.Inq.5 Design a method to explain the results of an
	investigation using descriptions, explanations, or models
	SPI 0807.Inq.3 Interpret and translate data into a table, graph, or
	diagram
	SPI 0807.Inq.4 Draw a conclusion that establishes a cause and
	effect relationship supported by evidence
MATH	
Strand 19: Tables, Graphs and Charts	A. Identify correct information from tables, graphs, and charts
	B. Create graphs from data in tables and charts
Strand 20: Statistics and Data Analysis	A. Drop reasonable conclusions from data in tables, graphs, and
	charts
	B. State a conclusion and explain why an answer is or is not
	reasonable based on the data
	C. Solve problems involving means, medians, modes, and ranges of
	sets of data

"Track Down Your Water Footprint" pages 12, 13

	ridok Bowii rodi Water i Gotpinit pages 12, 16	
SCIENCE		
Embedded Inquiry	GLE 0807.Inq.2.Use appropriate tools and techniques to gather,	
	organize, analyze, and interpret data	
	GLE 0807.Inq.3 Synthesize information to determine cause and	
	effect relationships between evidence and explanations	
	GLE 0807.Inq.5 Communicate scientific understanding using	
	descriptions, explanations and models	
	☑0807.Inq.5 Design a method to explain the results of an	
	investigation using descriptions, explanations, or models	
	SPI 0807.Inq.3 Interpret and translate data in a table, graph, or	
	diagram	
	SPI 0807.Inq.4 Draw a conclusion that establishes a cause and	
	effect relationship supported by evidence	
MATH		
Strand 19: Tables, Graphs and Charts	A. Identify correct information from tables, graphs, and charts	
	B. Create graphs from data in tables and charts	
Strand 20: Statistics	A. Drop reasonable conclusions from data in tables, graphs, and	
and Data Analysis	charts	
	B. State a conclusion and explain why an answer is or is not	
	reasonable based on the data	
	C. Solve problems involving means, medians, modes, and ranges	
	of sets of data	

"Tennessee Special Water Places" pages 14, 15

SCIENCE	
Life Science – Biodiversity and	GLE 0807.5.5 Describe the importance of maintaining the earth's
Change	biodiversity
	SPI 0807.5.4 Identify several reasons for the importance of
	maintaining the earth's biodiversity

<u>Please:</u> share your feedback and reward your class with a Certificate of Completion!!



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