

Which National Education Standards Can Be Addressed Using This Monograph?

National Science Education Standards Addressed in This Article

National Science Education Standard	Where and How the Standard Is Addressed
Abilities Necessary To Do Scientific Inquiry	Who Are Scientists? Describes the characteristics of scientists; Thinking About Science: Explains what it means to be a social scientist; Methods: Collecting and analyzing data.
Understandings About Scientific Inquiry	The whole monograph: Exposes students to social science and methods of gathering and analyzing data
Regulation and Behavior	Findings: Shows the behavior and response of the boy to his environment and people.
Populations and Ecosystems	Entire article: One way humans adapt to a loss.
Personal Health	The whole monograph: Looks at personal health, both physically and mentally. Addresses physical health by discussing backpacking and the challenges and benefits. Addresses mental health through Amigo's personal narrative reflections in the Findings.
Science and Technology in Society	Introduction: Explains how to use trip reports (blogs) to evaluate how people value wilderness; Discussion: Addresses the value of trip reports and the information they provide.
Science as a Human Endeavor	Who Are Scientists? Describes characteristics of scientists; Meet the Scientists: Puts a human face on science; What Kind of Scientist Did This Research? Defines social scientist; Thinking About Science: Describes some goals of science.
Nature of Science	Thinking About Science: Describes some goals of science
History of Science	Welcome to the Wilderness 50 Monographs! and the Wilderness Time Line: Shows how the whole concept of wilderness developed over time.

Social Studies Education Standards Addressed in This Article

National Curriculum Standards for Social Studies	Where and How the Standard Is Addressed
Culture	Welcome to the Wilderness 50 Monographs! and the Wilderness Time Line: Show how the whole concept of wilderness developed over time and how wilderness is part of our culture.
Time, Continuity, and Change	Welcome to the Wilderness 50 Monographs! and the Wilderness Time Line: Show how the whole concept of wilderness developed over time.
People, Places, and Environments	Introduction, Methods, Findings, and Discussion: Show how people value wilderness and the experiences they have in these areas; Findings and Discussion: Show how Amigo's identity is shaped by his experience in wilderness.
Power, Authority, and Governance	Welcome to the Wilderness 50 Monographs! and the Wilderness Time Line: Show how the whole concept of wilderness developed over time and how wilderness is part of our culture; Thinking About the Environment: Shows how the government develops and protects wilderness areas.
Production, Distribution, and Consumption	The whole monograph: Tries to determine how people value wilderness.
Science, Technology, and Society	Introduction: Shows the use of trip reports (blogs) to evaluate how people value wilderness; Discussion: Shows the value of trip reports and the information they provide.

Common Core Standards for Science Addressed in This Article

Common Core Standard	Where the Standard Is Addressed
Scientific and Engineering Practices	
Asking Questions (for science) and Defining Problems (for engineering)	Who Are Scientists? Describes how asking questions is a characteristic of scientists; Thinking About Science: Explains how the goal of science is to discover new information; Introduction: Presents the research questions in this study.
Planning and Carrying Out Investigations	The entire monograph: Focuses on planning and carrying out an investigation.
Analyzing and Interpreting Data	Methods and Findings: Describe what the scientists did; Methods and Findings Reflection Sections: Describe analyzing findings and information.
Using Mathematics and Computational Thinking	Thinking About the Environment: Discusses relative size and numbers; Number Crunch: Shows how to calculating size in comparison with something else.
Constructing Explanations (for science) and Designing Solutions (for engineering)	Introduction, Methods, and Findings Reflection Sections: Explain the findings; FACTivity: Explains how writing and reflecting about an experience influence how you think about the experience.
Obtaining, Evaluating, and Communicating Information	Methods: Describes how to obtaining and analyze information; FACTivity: Shows evaluating and communicating information.
Crosscutting Concepts	
Patterns	Methods: Shows how the scientists used a case study to discuss the 322 trip reports because there were common themes (patterns) throughout the trip reports and how the case study they chose exemplified those common themes.
Scale, Proportion, and Quantity	Thinking About the Environment: Discusses relative size and numbers.
Stability and Change	Welcome to the Wilderness 50 Monographs! and Thinking About the Environment: Address the character of wilderness and the prohibition of human modification.
Core Idea LS2: Ecosystems: Interactions, Energy, and Dynamics	
LS2.C: Ecosystem Dynamics, Functioning, and Resilience	Welcome to the Wilderness 50 Monographs! and Thinking About the Environment: Address the character of wilderness and the prohibition of human modification
Core Idea ESS3: Earth and Human Activity	
ESS3.A: Natural Resources	The entire monograph: Shows concern with natural resources.
ESS3.C: Human Impacts on Earth Systems	Welcome to the Wilderness 50 Monographs! and Thinking About the Environment: Address the character of wilderness and the prohibition of human modification