

Wetland Investigations

Goal		Standard	
Language Arts			
1	Read with fluency and understanding.	1C2a	Use information to form and refine questions and predictions.
		1C2b	Make and support inferences and form interpretations about main themes and topics.
		1C2d	Summarize and make generalizations from content and relate to purpose of material.
		1C2f	Connect information presented in tables, maps, and charts to printed or electronic text.
4	Listen and speak effectively in a variety of situations.	4A2a	Demonstrate understanding of the listening process (e.g. sender, receiver, message) by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations.
		4A2b	Ask and respond to questions related to oral presentations and messages in small and large group settings.
		4A2c	Restate and carry out a variety of oral instructions.
		4B2a	Present oral reports to an audience using correct language and nonverbal expressions for the intended purpose and message within a suggested organized format.
		4B2b	Use speaking skills and procedures to participate in group discussions.
Math			
6	Demonstrate and apply a knowledge and sense of numbers, including numeration and operations (addition, subtraction, multiplication, and division), patterns, ratios, and proportions.	6A2	Compare and order whole numbers, fractions, and decimals using concrete materials, drawings, and mathematical symbols.
		6B2	Solve one-and two-step problems involving whole numbers, fractions, and decimals using addition, subtraction, multiplication, and division.

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		6C2a	Select and perform computational procedures to solve problems with whole numbers, fractions, and decimals.
		6C2b	Show evidence that computational results using whole numbers, fractions, and decimals are correct and/or that estimates are reasonable.
10	Collect, organize, and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.	10A2a	Organize and display data using pictures, tallies, tables, charts, bar graphs, line graphs, line plots, and stem-and-leaf graphs.
		10A2c	Make predictions and decisions based on data and communicate their reasoning.
		10B2a	Formulate questions of interest and select methods to systematically collect data.
		10B2b	Collect, organize, and display data using tables, charts, bar graphs, line graphs, circle graphs, line plots, and stem-and-leaf graphs.
		10B2d	Interpret results or make relevant decisions based on the data gathered.
		10C2b	Compare the likelihood of events in terms of certain, more likely, less likely, or impossible.
Science			
11	Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments, and solve problems.	11A2a	Formulate questions on a specific science topic and choose the steps needed to answer the question.
		11A2b	Collect data for investigations using scientific process skills including observing, estimating, and measuring.
		11A2c	Construct charts and visualizations to display data.
		11A2d	Use data to produce reasonable explanations.
		11A2e	Report and display the results of individual and group investigations.

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12	Understand the fundamental concepts, principles, and interconnections of the life, physical, and earth/space sciences.	12B2a	Describe the relationships among various organisms in their environments (e.g. predator/prey, parasite/host, food chains, and food webs).
		12B2b	Identify physical features of plants and animals that help them live in different environments (e.g. specialized teeth for eating certain foods, thorns for protection, insulation for cold temperature).
13	Understand the relationship among science, technology, and society in historical and contemporary contexts.	13A2b	Explain why similar investigations may not produce similar results.
		13A2c	Explain why keeping accurate and detailed records is important.
		13B2e	Identify and explain ways that technology changes ecosystems (e.g. dams, highways, buildings, communication networks, power plants).
		13B2f	Analyze how specific personal and societal choices that humans make affect local, regional, and global ecosystems (e.g. lawn and garden care, mass transit).
Physical Education/Health			
19	Acquire movement skills and understand concepts needed to engage in health-enhancing physical activity.	19A2	Demonstrate control when performing combinations and sequences in locomotor, non-locomotor, and manipulative motor patterns.
		19C2b	Identify and apply rules and safety procedures in physical activities.
21	Develop team-building skills by working with others through physical activity.	21A2a	Accept responsibility for their own actions in group physical activities.
		21A2b	Use identified procedures and safe practices without reminders during group physical activities.
		21B2	Work cooperatively with a partner or small group to reach a shared goal during physical activity.