

WATER SOURCEBOOK (Grades 9-12)

**CHAPTER 5 - Wetlands and Coastal Waters**

Activity	Science Standard & LA Framework Benchmark
<b>1. An Alternative to the "What I Can Do on Summer Vacation"</b>	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
	SE-H-C2 evaluating the relationships between quality of life and environmental quality;
	SE-H-C4 demonstrating that environmental decisions include analyses that incorporate ecological, health, social, and economic factors;
	SE-H-D1 demonstrating the effects of personal choices and actions on the natural environment;
<b>2. Understanding Marine Resources</b>	SE-H-B1 explaining the relationships between renewable and nonrenewable resources;
<b>3. River Input into the Gulf of Mexico</b>	LS-H-D4 exploring how humans have impacted ecosystems and the need for societies to plan for the future.
	SE-H-A11 understanding how pollutants can affect living systems.
	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
	SE-H-C2 evaluating the relationships between quality of life and environmental quality;
	SE-H-D1 demonstrating the effects of personal choices and actions on the natural environment;
<b>4. Wetlands, USA - More Than Swamps</b>	SE-H-B5 analyzing resource management;
	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
	SE-H-C2 evaluating the relationships between quality of life and environmental quality;
	SE-H-D1 demonstrating the effects of personal choices and actions on the natural environment;
<b>5. Know Your Gulf</b>	SE-H-A1 demonstrating an understanding of the functions of Earth's major ecological systems;
	SE-H-A11 understanding how pollutants can affect living systems.
	SE-H-B5 analyzing resource management;
<b>6. Sea Margin Diversity</b>	SE-H-A1 demonstrating an understanding of the functions of Earth's major ecological systems;
<b>7. Estuaries: Interface Between Sea and the Land</b>	SI-H-A2 designing and conducting scientific investigations;
	SI-H-A7 utilizing science safety procedures during scientific investigations.
	SE-H-A4 understanding that change is a fundamental characteristic of every ecosystem and that ecosystems have varying capacities for change and recovery;
	SE-H-A5 describing the dynamic interactions between divisions of the biosphere;
	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
	SE-H-D1 demonstrating the effects of personal choices and actions on the natural environment;
	SE-H-D2 analyzing how individuals are capable of reducing and reversing their impact on the environment through thinking, planning, education, collaboration, and action;
<b>8. Erosion Kills the Habitats That Feed You!</b>	SI-H-A3 using technology and mathematics to improve investigations and communications;
	SI-H-A4 formulating and revising scientific explanations and models using logic and evidence;
	SI-H-A6 communicating and defending a scientific argument;

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	SE-H-A4 understanding that change is a fundamental characteristic of every ecosystem and that ecosystems have varying capacities for change and recovery;
	SE-H-A5 describing the dynamic interactions between divisions of the biosphere;
<b>9. Oil Spills</b>	SI-H-A2 designing and conducting scientific investigations;
	SI-H-A4 formulating and revising scientific explanations and models using logic and evidence;
	SI-H-A6 communicating and defending a scientific argument;
	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
	SE-H-C2 evaluating the relationships between quality of life and environmental quality;
<b>10. Impact Governmental Regulations on Marine Debris</b>	LS-H-D4 exploring how humans have impacted ecosystems and the need for societies to plan for the future.
	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
	SE-H-C2 evaluating the relationships between quality of life and environmental quality;
	SE-H-C4 demonstrating that environmental decisions include analyses that incorporate ecological, health, social, and economic factors;
	SE-H-C5 analyzing how public support affects the creation and enforcement of environmental laws and regulations.
	SE-H-D1 demonstrating the effects of personal choices and actions on the natural environment;
	SE-H-D2 analyzing how individuals are capable of reducing and reversing their impact on the environment through thinking, planning, education, collaboration, and action;
	SE-H-D3 demonstrating that the most important factor in prevention and control of pollution is education;
<b>11. How Water Processes Move Sand</b>	SI-H-A2 designing and conducting scientific investigations;
	SI-H-A3 using technology and mathematics to improve investigations and communications;
	SE-H-A5 describing the dynamic interactions between divisions of the biosphere;
	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
<b>12. Swept Away-or-Where Will You Be When the Water Comes?</b>	SE-H-A4 understanding that change is a fundamental characteristic of every ecosystem and that ecosystems have varying capacities for change and recovery;
	SE-H-A5 describing the dynamic interactions between divisions of the biosphere;
	SE-H-C1 evaluating the dynamic interaction of land, water, and air and its relationship to living things in maintaining a healthy environment;
	SE-H-C2 evaluating the relationships between quality of life and environmental quality;
	SE-H-C3 investigating and communicating how environmental policy is formed by the interaction of social, economic, technological, and political considerations;