



# WHALE Tales Safety Topics

## National Research Council

## National Science Education Standards (K-4, 5-6)

Science Standard	Swim as a Pair Near a Lifeguard's Chair	Be Cool, Follow the Rules	Look Before You Leap	Think So You Don't Sink	Reach or Throw, Don't Go	Don't Just Pack It, Wear Your Jacket	Think Twice Before Going Near Cold Water or Ice	Know About Boating Before You Go Floating	Too Much Sun Is No Fun	In Your House and in Your Yard, Watch for Water, Be on Guard	Wave, Tide or Ride, Follow the Guide
<b>Science As Inquiry</b>											
<ul style="list-style-type: none"> <li>Abilities necessary to do scientific inquiry (K-6)</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
<ul style="list-style-type: none"> <li>Understanding about scientific inquiry (K-6)</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Physical Science</b>											
<ul style="list-style-type: none"> <li>Properties of objects and materials (K-4)</li> <li>Properties and changes of properties (5-6)</li> </ul>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Position and motion of objects (K-4)</li> <li>Motions and forces (5-6)</li> </ul>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Light, heat, electricity and magnetism (K-4)</li> <li>Transfer of energy (5-6)</li> </ul>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Life Science</b>											
<ul style="list-style-type: none"> <li>The characteristics of organisms (K-4)</li> <li>Structure and function in living systems (5-6)</li> </ul>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
<ul style="list-style-type: none"> <li>Life cycles of organisms (K-4)</li> <li>Reproduction and heredity (5-6)</li> </ul>	<input checked="" type="checkbox"/>										

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<b>Life Science (continued)</b>											
<ul style="list-style-type: none"> <li>Organisms and environments (K–4)</li> <li>Population and ecosystems (5–6)</li> </ul>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								
<ul style="list-style-type: none"> <li>Diversity and adaptations of organisms (5–6)</li> </ul>	<input checked="" type="checkbox"/>										
<b>Earth and Space Science</b>											
<ul style="list-style-type: none"> <li>Properties of earth materials (K–4)</li> <li>Structure of earth system (5–6)</li> </ul>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>Objects in the sky (K–4)</li> <li>Earth in the solar system (5–6)</li> </ul>				<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>Changes in earth and sky (K–4)</li> </ul>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Earth's history (5–6)</li> </ul>											
<b>Science and Technology</b>											
<ul style="list-style-type: none"> <li>Abilities to distinguish between natural objects and objects made by humans (K–4)</li> </ul>			<input checked="" type="checkbox"/>								<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>Abilities of technological design (K–6)</li> </ul>											<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>Understanding about science and technology (K–6)</li> </ul>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
<b>Science in Personal and Social Perspectives</b>											
<ul style="list-style-type: none"> <li>Personal health (K–6)</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>Types of resources (K–4)</li> </ul>											<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>Changes in environments (K–4)</li> </ul>			<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Natural hazards (5–6)</li> </ul>										<input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Risks and benefits (5–6)</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> <li>Science and technology in local challenges (K–4)</li> <li>Science and technology in society (5–6)</li> </ul>			<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	